

ITC

MASTER CATALOG N°26

Cables and Accessories for all types of signal

MADE IN
ITALY

SINCE 1979



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Our History



A **BELDEN** BRAND

The ITC Brand

Since 1979 all ITC branded products have been made in Italy and they ensure the best transmission for any type of signal.

Our solutions are examples of the reliability and expert care you can expect from ITC and the Belden Group.

All of the company's resources are used to ensure best performance and quality of the product as well as extremely short delivery terms both in Italy and abroad. Thanks to its technological state-of-the-art plant, research laboratory, selected raw materials and an ISO 9001:2015-certified organisation, the Company can produce cables to meet the most demanding and sophisticated requirements, in full compliance with the CPR Regulation and RoHS standards.

The Belden Group

The group has factories and sales departments all over the world, totaling more than 60 premises specialized in the production of fiber optic and copper cables for wiring systems for the audio-video broadcasting, industrial automation, alarm system and telecommunication industries.

Since the acquisition of Hirschmann and Lumberg in 2007, Belden has been offering a comprehensive range of networking solutions for industrial use.

Since the acquisition of Grass Valley and Miranda in 2014, Belden has been offering a comprehensive range of professional video broadcasting solutions.

During last years Tripwire, ProSoft and ThinkLogical have now become part of Belden for security, connectivity and high performance equipment in enterprises, industrial organizations, service providers and government agencies.

Belden is quoted on the New York Stock Exchange and is known worldwide for the outstanding quality of its products.

Certified Quality Management Systems
UNI EN ISO 9001:2015



Factory in Bagnacavallo (Ravenna) Italy

Construction Products Regulation - UE 305/2011

The Construction Products Regulation (CPR) lays down harmonized rules for the marketing of construction products in the EU. The Regulation provides a common technical language to assess the performance of construction products.

Since 1st July 2017 all cables for fixed installations in buildings and civil engineering works in the EU must comply with each country's Euroclass rating, in order to meet CPR regulations.



Fire Reaction Euro Class

The CPR provides 7 Euro Classes, but for cables only 5 classes are applicable.

Each country has defined own Euroclass rating according to EN 13501-6.

CPR Requirements

The regulation requires that all cables should have a Declaration of Performances and CE marking.

Labels & DoP

Our products labels comply with CPR and all required informations are in the right column below the CE mark.

In order to download DoP (Declaration of Performances) you can visit our website **www.itc-belden.com** and type the **DoP number** written on our product labels.



Applications & Environments

The right Euroclass is defined during the building design by civil engineers and it depends on the fire risk level of the environment where the cable will be installed.

Here some environment examples based on the Italian fire fighters classifications,

for better understanding please check your local legislation and technical building specifications



HIGH FIRE RISK

Airports, metro, train stations, boat stations and tunnels.

Recommended Euroclass: B2ca-s1a,d1,a1 and, in certain environments, Cca-s1b,d1,a1



MEDIUM FIRE RISK

Hospitals, nurseries, public entertainment areas, sport centers, hotels, motels or buildings with high people density like schools, libraries, museums, galleries, exhibitions...

Civil building high more than 24 meters.

Recommended Euroclass: Cca-s1b,d1,a1 or higher



LOW FIRE RISK

Houses, offices and other civil building high less than 24 meters.

Recommended Euroclass: Eca, Dca or Cca-s3,d1,a3 depending on installations

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part number then
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Coaxial cables

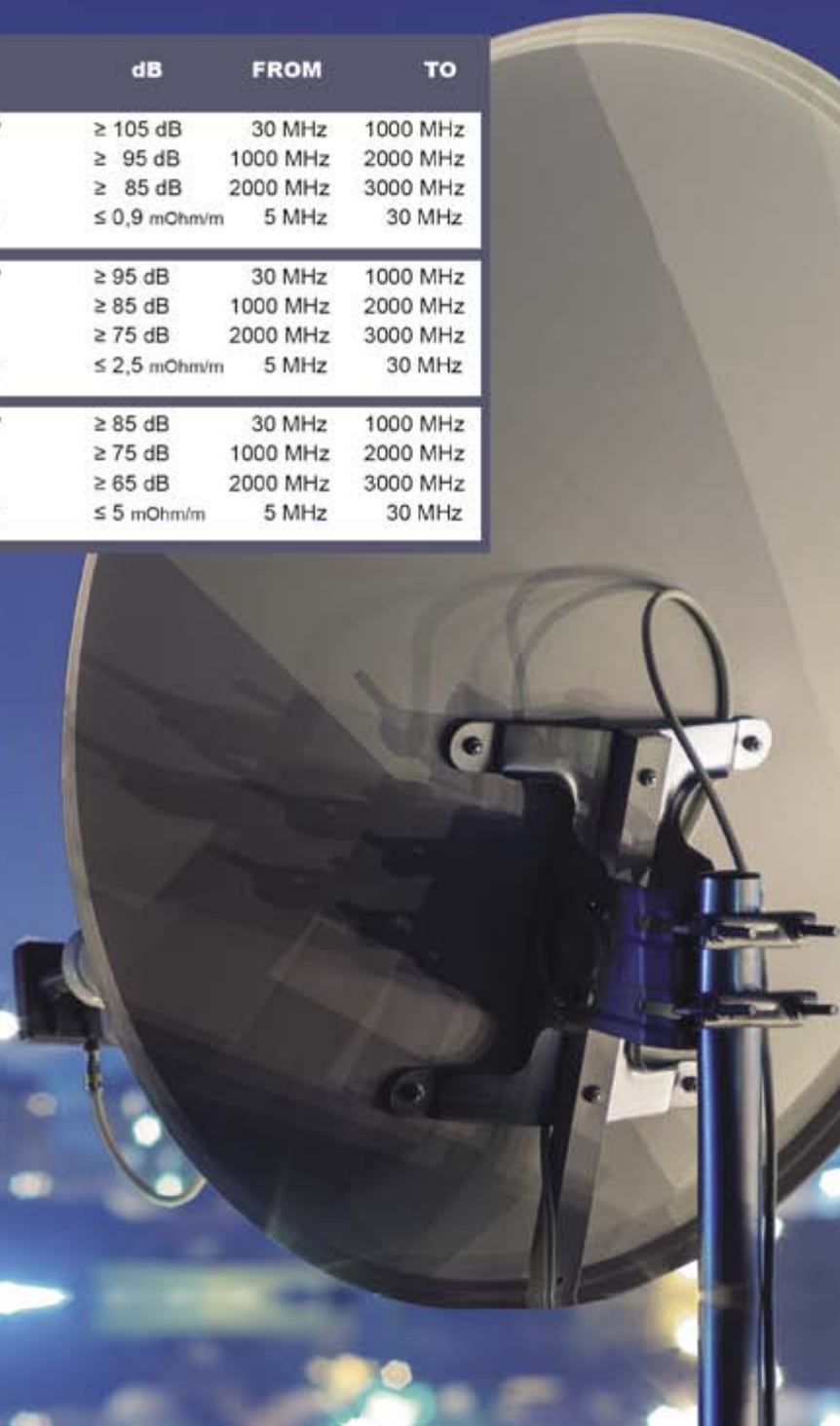
for Terrestrial and Satellite signals

LTE / 4G PROOF

All class "A" and "A++" cables grant the best shield for telecommunication interferences produced by mobile telephony providers.

SHIELDING CLASSES		dB	FROM	TO
Class A++ (LTE proof)	Shielding Efficiency*	≥ 105 dB	30 MHz	1000 MHz
		≥ 95 dB	1000 MHz	2000 MHz
		≥ 85 dB	2000 MHz	3000 MHz
	Transfer impedance	≤ 0,9 mOhm/m	5 MHz	30 MHz
Class A+ (LTE proof)	Shielding Efficiency*	≥ 95 dB	30 MHz	1000 MHz
		≥ 85 dB	1000 MHz	2000 MHz
		≥ 75 dB	2000 MHz	3000 MHz
	Transfer impedance	≤ 2,5 mOhm/m	5 MHz	30 MHz
Class A (LTE proof)	Shielding Efficiency*	≥ 85 dB	30 MHz	1000 MHz
		≥ 75 dB	1000 MHz	2000 MHz
		≥ 65 dB	2000 MHz	3000 MHz
	Transfer impedance	≤ 5 mOhm/m	5 MHz	30 MHz

* after completing the bending test as
EN50289 3-9 par. 8.3.2 procedure..



Class A+ and A++ with LSZH sheath for SAT and DVB-T - B2ca and Eca

Distribution and reception of SAT and TV "digital signals" and where this signal is weak or polluted by radio-frequency interference.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1,02/4,6 TRISHIELD GJ - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
SATRBKZ	B500 B1000	4,6	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 100% CuSn 60% AL2 100% 19,5 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,6 9,6 14,0 19,6 21,0 24,2 27,9 30,2 31,2 33,0 36,9
	RL (dB) 5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		Standards EN 50117 IEC 754-1 IEC 754-2 CEI UNEL 36762		Screening Efficiency > 120 db Capacity 52 ± 2 pF/m			Connectors AC-OI AV124		
										
CCS 36 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL36GZ	Su richiesta	1,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 75% 26 Ohm/Km	3,6	75 ± 5	80%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	11,4 22,4 32,9 44,8 48,8 58,0 63,5 69,3 70,9 75,8 84,7
	RL (dB) 5-470 MHz > 30 470-1000 MHz > 28 1000-2000 MHz > 26 2000-3000 MHz > 24		Standards CEI 20-22.III CEI 20-37/2/4/6/7 EN 50117 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 95 db Capacity 55 ± 3 pF/m			Connectors ACF36 AV122		
										
1,02 / 4,60 DIGITAL LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SA--6GZ	M100	4,5	CU 1,02mm 22 Ohm/km	PEGJ 4,4	AL3/3 100% CuSn 64% 18 Ohm/Km	6,5	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,6 9,6 14,0 19,6 21,0 24,2 27,9 30,2 31,2 33,0 36,9
	RL (dB) 5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		Standards CEI 20-22.III CEI 20-37/2/4/6/7 EN 50117 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 98 db Capacity 52 ± 2 pF/m			Connectors AC-OI AV124		
										
SAT 300 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL-3GZ	M100 EX300 B500 B1000	4,5	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 60% 20 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,1 8,6 12,6 17,6 19,2 22,3 25,8 27,5 28,6 30,4 33,9
	RL (dB) 5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		Standards CEI 20-22.III CEI 20-37/2/4/6/7 EN 50117 CEI UNEL 36762		Screening Efficiency > 100 db Capacity 52 ± 2 pF/m			Connectors AC-SI AV125		
										
Coax 1,13 / 4,8 SAT DIGITAL - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SA756VZ*	On request	5,7	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 90% 8 Ohm/Km	6,8	75 ± 2	84%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	3,7 8,2 12,1 17,0 18,4 21,8 25,0 27,3 28,1 30,0 33,5
	RL (dB) 5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		Standards EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 110 db Capacity 53 ± 2 pF/m			Connectors AC-SI AV125		
										
75 Ohm SAT DIGITAL LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL75GZ	Su richiesta	5,8	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 90% 8 Ohm/Km	7,0	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	3,7 8,2 12,1 17,0 18,4 21,8 25,0 27,3 28,1 30,0 33,5
	RL (dB) 5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		Standards CEI 20-22.III CEI 20-37/2/4/6/7 EN 50117 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 110 db Capacity 52 ± 2 pF/m			Connectors AC-SI AV125		
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with PVC sheath for SAT and DVB-T - Eca

Distribution and reception of SAT and TV "digital signals" and where this signal is weak or polluted by radio-frequency interference.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel. Ratio	Freq. MHz	Atten. db/100m
CCS 36 DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SA-36BI	M100	1,5	CW 0,41mm	PEGJ	AL2 100%	3,6	75 ± 5	85%	50	11,4
	B500 B1000		320 Ohm/km	1,9 ± 0,05	CuSn 75% 26 Ohm/Km				230 470 860 1000	22,4 32,9 44,8 48,8
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors			
	5-470 MHz > 30 470-1000 MHz > 28 1000-2000 MHz > 26 2000-3000 MHz > 24		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 55 ± 3 pF/m		ACF36 AV122		1350 1750 2000 2150 2400 3000	
										
EXTRA 65 DIGITAL (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SAD65BI	M100	2,8	CW 0,65mm	PEGJ	AL3 100%	4,5	75 ± 3	83%	50	7,2
	MB300 B500		129 Ohm/km	2,9	CuSn 85% 15 Ohm/Km				230 470 860 1000	15,4 22,1 29,6 32,3
	RL (dB)		Standards		Screening Efficiency > 105 db		Connectors			
	5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 53 ± 2 pF/m		ACCAP		1350 1750 2000 2150 2400 3000	
										
EXTRA 80 DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SAD80BI	M100	3,4	CU 0,80mm	PEGJ	AL3 100%	5,0	75 ± 3	83%	50	5,8
	MB300		35 Ohm/km	3,5	CuSn 80% 16 Ohm/Km				230 470 860 1000	12,0 17,6 24,4 26,3
	RL (dB)		Standards		Screening Efficiency > 96 db		Connectors			
	5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 53 ± 2 pF/m		AC-EA AV121		1350 1750 2000 2150 2400 3000	
										
DTT 0,8/3,5 - PVC UV White, Red, Green, Blue, Black, Yellow - Insulation C-4 (U0=400V)										
DT-80BV	M100	2,2	CU 0,80mm	PEGJ	Al/Pet/Al 100%	5,0	75 ± 3	83%	50	5,9
	MB300		35 Ohm/km	3,5	Almelec 80% 30 Ohm/Km				230 470 860 1000	12,1 16,5 23,4 25,3
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors			
	5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 53 ± 2 pF/m		AC-EA AV121		1350 1750 2000 2150 2400 3000	
										
CCS 59 DIGITAL (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SA59DBI	M100	3,4	CW 0,81mm	PEGJ	AL3/3 100%	5,0	75 ± 3	83%	50	5,7
	MB300 B500		84 Ohm/km	3,5	CuSn 75% 16 Ohm/Km				230 470 860 1000	12,0 17,4 24,2 26,3
	RL (dB)		Standards		Screening Efficiency > 96 db		Connectors			
	5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 53 ± 2 pF/m		AC-EA AV121		1350 1750 2000 2150 2400 3000	
										
EXTRA 100 DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SAD10BI	Su richiesta	3,6	CU 1,02mm	PEGJ	AL3 100%	6,0	75 ± 2	85%	50	4,6
			22 Ohm/km	4,4	CuSn 55% 18 Ohm/Km				230 470 860 1000	9,6 14,0 19,6 21,0
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors			
	5-470 MHz > 36 470-1000 MHz > 34 1000-2000 MHz > 30 2000-3000 MHz > 28		EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Capacity 52 ± 2 pF/m		AC-OI AV124		1350 1750 2000 2150 2400 3000	
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with PVC sheath for SAT and DVB-T - Eca

Distribution and reception of SAT and TV "digital signals" and where this signal is weak or polluted by radio-frequency interference.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
TRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
SATRIBI 	M100	4,7	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 100% CuSn 60% AL2 100% 22 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,6 9,6 14,0 19,6 21,0 24,2 27,9 30,2 31,2 33,0 36,9
	RL (dB)		Standards		Screening Efficiency > 120 db Capacity 52 ± 2 pF/m		Connectors AC-OI AV124			
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								
COX 1,13 / 4,8 DIGITAL SAT - PVC White - Insulation C-4 (U0=400V)										
SADALBI° 	On request	4,2	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% Almelec 60% 20 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,1 8,6 12,6 17,6 19,2 22,4 26,0 27,8 28,7 30,5 34,1
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 52 ± 2 pF/m		Connectors AC-SI AV125			
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28										
141 Z SAT DIGITAL - PVC Ivory - Insulation C-4 (U0=400V)										
SA141AV 	Su richiesta	4,6	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL2 100% CU 85% 10 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	3,7 8,2 12,1 17,0 18,4 21,5 25,0 27,3 28,1 30,0 33,5
	RL (dB)		Standards		Screening Efficiency > 105 db Capacity 52 ± 2 pF/m		Connectors AC-SI AV125			
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								
SAT 300 DIGITAL (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SAD30BI 	M100 MB250 B300	4,4	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3 100% CuSn 60% 16 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,1 8,6 12,6 17,6 19,2 22,3 25,8 27,5 28,6 30,4 34,0
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 52 ± 2 pF/m		Connectors AC-SI AV125			
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								
DTT 1,13/4,8 - PVC UV White - Insulation C-4 (U0=400V)										
DT113BV 	M100 MB250	4,3	CU 1,13mm 18 Ohm/km	PEGJ 4,8	Al/Pet/Al 100% Almelec 80% 22 Ohm/Km	6,7	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	4,0 7,8 11,7 16,8 18,2 20,3 24,8 26,3 27,2 28,8 32,2
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 52 ± 2 pF/m		Connectors AC-SI AV125			
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with PVC sheath for SAT and DVB-T - Eca

Distribution and reception of SAT and TV "digital signals" and where this signal is weak or polluted by radio-frequency interference.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DIGITAL SAT SUPER (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SADDSBI  	M100	5	CU 1,13mm	PEGJ 4,8	AL3/3 100% CuSn 80% 10 Ohm/Km	6,8	75 ± 2	85%	50	3,8
	MB250								230	8,3
	B250		18 Ohm/km						470	12,3
	B500								860	17,1
									1000	18,5
	RL (dB)		Standards		Screening Efficiency > 105 db			Connectors	1350	21,7
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m			AC-SI	1750	25,1
	470-1000 MHz > 34		CEI 46-1					AV125	2000	27,3
	1000-2000 MHz > 30		CEI 12-15						2150	28,2
	2000-3000 MHz > 28		CEI UNEL 36762						2400	30,2
									3000	33,8
DIGITAL SAT UV-resistant - PVC fire retardant White UV-resistant - Insulation C-4 (U0=400V)										
SADISBI  	Su richiesta	4,9	CU 1,13mm	PEGJ 4,8	AL3/3 100% CuSn 60% 16 Ohm/Km	6,8	75 ± 2	85%	50	3,9
									230	8,4
			18 Ohm/km						470	12,4
									860	17,2
									1000	18,6
	RL (dB)		Standards		Screening Efficiency > 95 db			Connectors	1350	21,8
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m			AC-SI	1750	25,2
	470-1000 MHz > 34		CEI 46-1					AV125	2000	27,4
	1000-2000 MHz > 30		CEI 12-15						2150	28,5
	2000-3000 MHz > 28		CEI UNEL 36762						2400	30,5
									3000	34,1
COAX 1,1 / 4,8 DIGITAL SAT - PVC White - Insulation C-4 (U0=400V)										
SA115BI*  	On request	5,7	CU 1,13mm	PEGJ 4,8	AL3 100% CuSn 85% 10 Ohm/Km	6,9	75 ± 2	85%	50	3,7
									230	7,6
			18 Ohm/km						470	11,5
									860	16,9
									1000	18,2
	RL (dB)		Standards		Screening Efficiency > 105 db			Connectors	1350	21,7
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m			AC-SI	1750	24,9
	470-1000 MHz > 34		CEI 46-1					AV125	2000	27,3
	1000-2000 MHz > 30		CEI 12-15						2150	27,9
	2000-3000 MHz > 28								2400	29,9
									3000	33,4
75 Ohm SAT DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SA-75BI  	M100	5,7	CU 1,13mm	PEGJ 4,8	AL3/3 100% CuSn 90% 8 Ohm/Km	6,9	75 ± 2	85%	50	3,7
	MB250								230	8,2
	B250		18 Ohm/km						470	12,1
	B1000								860	17,0
									1000	18,4
	RL (dB)		Standards		Screening Efficiency > 110 db			Connectors	1350	21,8
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m			AC-SI	1750	25,0
	470-1000 MHz > 34		CEI 46-1					AV125	2000	27,3
	1000-2000 MHz > 30		CEI 12-15						2150	28,1
	2000-3000 MHz > 28		CEI UNEL 36762						2400	30,0
									3000	33,5

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with LSZH sheath for SAT and DVB-T - Fca

Distribution and reception of "digital signals" for installations in public places: schools, hotels, hospitals, banks, theatres, public offices, airports, underground.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
Coax 0,6 / 2,8 EXTRA 60 Super - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SA60SVZ°	On request	1,85	CU 0,60mm 60 Ohm/km	PEGJ 2,7	AL3 100% CuSn 70% 27 Ohm/Km	4,25	75 ± 3	80%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	5,8 15,7 23,0 31,9 34,7 40,8 47,0 50,5 52,6 54,8 61,3
										
F_{ca}										
	RL (dB)		Standards		Screening Efficiency > 90 db Capacity 54 ± 2 pF/m			Connectors AC123 AV123		
	5-470 MHz > 32		EN 50117							
	470-1000 MHz > 30		IEC 60332-3-24: Cat C							
	1000-2000 MHz > 28		IEC 60754-1/2							
	2000-3000 MHz > 26		EN 61034-1-2 CEI UNEL 36762							
0,8 / 3,5 LSZH - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
SAL59BZ	On request	3,4	CW 0,81mm 84 Ohm/km	PEGJ 3,5	AL3/3 100% CuSn 75% 19 Ohm/Km	5,0	75 ± 3	83%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	5,8 12,0 17,6 24,4 26,4 30,3 34,8 37,6 38,9 41,1 45,9
										
F_{ca}										
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m			Connectors AC-EA AV121		
	5-470 MHz > 32		CEI 20-22.III							
	470-1000 MHz > 30		CEI 20-37/2/4/6/7							
	1000-2000 MHz > 28		EN 50117							
	2000-3000 MHz > 26		CEI 12-15 CEI UNEL 36762							
DIGITAL SAT - LSZH White - Insulation C-4 (U0=400V)										
SA125BZ°	On request	5,5	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 85% 10 Ohm/Km	6,8	75 ± 2	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	3,7 7,6 11,5 16,9 18,2 21,7 24,9 27,3 27,9 29,9 33,4
										
F_{ca}										
	RL (dB)		Standards		Screening Efficiency > 105 db Capacity 52 ± 2 pF/m			Connectors AC-SI AV125		
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		CEI 46-1							
	1000-2000 MHz > 30		CEI 12-15							
	2000-3000 MHz > 28		CEI 20-37 2/4/6/7 CEI UNEL 36762							
DIGITAL SAT - Thermoplastic LSZH Black - Insulation C-4 (U0=400V)										
SALDSNZ°	On request	5,1	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CUST 60%	7,0	75 ± 2	85%	50 125 155 230 470 860 1750 2000 2150 2400 3000	3,9 18,6 21,8 8,4 12,4 17,2 25,2 27,4 28,5 30,1 34,7
										
F_{ca}										
	RL (dB)		Standards		Screening Efficiency > 90 db Capacity 52 ± 2 pF/m			Connectors AC-SI		
	5-470 MHz > 36		EN 50117							
	470-1000 MHz > 34		IEC 60332-3-24: Cat C							
	1000-2000 MHz > 30		IEC 60754-1/2							
	2000-3000 MHz > 28		EN 61034-1-2 CEI UNEL 36762							
1,63 / 7,20 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SA-11GZ	Su richiesta	9	CU 1,63mm 8,6 Ohm/km	PEGJ 7,2	AL3/3 100% CuSn 70% 8,5 Ohm/Km	10,1	75 ± 2	84%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	2,8 6,1 8,8 12,3 13,6 16,5 17,8 19,1 19,8 21,0 28,0
										
F_{ca}										
	RL (dB)		Standards		Screening Efficiency > 96 db Capacity 53 ± 2 pF/m			Connectors ACG11 ACV11		
	5-470 MHz > 34		CEI 20-22.III							
	470-1000 MHz > 32		CEI 20-37/2/4/6/7							
	1000-2000 MHz > 30		EN 50117							
	2000-3000 MHz > 28		CEI 12-15 CEI UNEL 36762							

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with PVC sheath for SAT and DVB-T - Fca

Distribution and reception of "analog signals" coming from satellite transmissions. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m									
Coax 0,65 / 2,9 EXTRA 65 DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)																			
SA65DBI° 	On request	2,7	CU 0,65mm 53 Ohm/km	PEGJ 2,9	AL3 100% CuSn 85% 20 Ohm/Km	4,5	75 ± 2	83%	50	7,2									
									230	15,4									
									470	22,1									
									860	29,6									
									1000	32,3									
									1350	35,5									
									1750	42,7									
									2000	45,6									
									2150	47,2									
									2400	49,5									
3000	55,3																		
									Screening Efficiency > 105 db Capacity 53 ± 2 pF/m										
									Standards										
									EN 50117										
									CEI 46-1										
									CEI 12-15										
									CEI UNEL 36762										
									A										
									++										
									1,02/4,6 TRISHIELD AL - PVC White - Insulation C4-(U0=400V)										
SAMTABI 	On request	4,5	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 COP 100% AL 50% AL2 100% 30 Ohm/Km	6,7	75 ± 2	85%	50	4,6									
									230	9,6									
									470	14,0									
									860	19,6									
									1000	21,0									
									1350	24,2									
									1750	27,9									
									2000	30,2									
									2150	31,2									
									2400	33,0									
3000	36,9																		
									Screening Efficiency > 110 db Capacity 52 ± 2 pF/m										
									Standards										
									EN 50117										
									CEI 46-1										
									CEI 12-15										
									CEI UNEL 36762										
									A										
									++										
									QUADRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
SAMQRBI 	On request	5,2	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 100% CuSn 60% AL2 100% CuSn 60% 14 Ohm/Km	7,1	75 ± 2	85%	50	4,6									
									230	9,6									
									470	14,0									
									860	19,6									
									1000	21,0									
									1350	24,2									
									1750	27,9									
									2000	30,2									
									2150	31,2									
									2400	33,0									
3000	36,9																		
									Screening Efficiency > 120 db Capacity 52 ± 2 pF/m										
									Standards										
									EN 50117										
									CEI 46-1										
									CEI 12-15										
									CEI UNEL 36762										
									A										
									++										
									QUADRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
SAMQABI 	Su richiesta	4,7	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 100% Almelec 60% AL2 100% Almelec 55% 22 Ohm/Km	7,4	75 ± 2	85%	50	4,6									
									230	9,6									
									470	14,0									
									860	19,6									
									1000	21,0									
									1350	24,2									
									1750	27,9									
									2000	30,2									
									2150	31,2									
									2400	33,0									
3000	36,9																		
									Screening Efficiency > 115 db Capacity 52 ± 2 pF/m										
									Standards										
									CEI 12-15										
									CEI 46-1										
									EN 50117										
									A										
									++										
									2 x EXTRA 65 DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)										
									S65DXBA° 	On request	6,1	CU 0,65mm 53 Ohm/km	PEGJ 2,9	AL3 100% CuSn 91% 20 Ohm/Km	9,2x4,5	75 ± 2	83%	50	7,2
230	15,4																		
470	22,1																		
860	29,6																		
1000	32,3																		
1350	35,5																		
1750	42,7																		
2000	45,6																		
2150	47,2																		
2400	49,5																		
3000	55,3																		
									Screening Efficiency > 105 db Capacity 53 ± 2 pF/m										
									Standards										
									EN 50117										
									CEI 46-1										
									CEI 12-15										
									CEI UNEL 36762										
									A										
									++										
									4 x CCS 36 - Int. Jacket PVC Red, Green, Blue, Yellow - Ext. PVC Aqua - Insulation C-4 (U0=400V)										
SA364AZ 	Su richiesta	10	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 75% 26 Ohm/Km	10	75 ± 5	85%	50	11,4									
									230	22,4									
									470	32,9									
									860	44,8									
									1000	48,8									
									1350	58,7									
									1750	63,5									
									2000	69,3									
									2150	70,9									
									2400	75,8									
3000	84,7																		
									Screening Efficiency > 95 db Capacity 55 ± 3 pF/m										
									Standards										
									EN 50117										
									CEI 12-15										
									CEI UNEL 36762										
									A										
									+										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Class A+ and A++ coaxial cables with PVC sheath for SAT and DVB-T - Fca

Distribution and reception of "analog signals" coming from satellite transmissions. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
SAPAD DIGITAL - PE Nero UV res. - Insulation C-4 (U0=400V)										
SAPADPN 	On request	9	CU 1,63mm 8,6 Ohm/km	PEGJ 7,2	AL3/3 100% CuSn 70% 8,5 Ohm/Km	10,1	75 ± 2	84%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	2,8 6,1 8,8 12,3 13,6 16,5 17,8 19,1 19,8 21,0 23,5
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m		Connectors			
	5-470 MHz > 34		EN 50117				ACG11			
	470-1000 MHz > 32		CEI 46-1				ACV11			
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								
										
SAPAD Auto-carrying - PE Black - Insulation C-4 (U0=400V)										
SAPDPPN 	Su richiesta	13	CU 1,63mm 8,6 Ohm/km	PEGJ 7,2	AL3/3 100% CuSn 70% 8,5 Ohm/Km	10,1x15,1	75 ± 2	84%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	2,8 6,1 8,8 12,3 13,6 16,5 17,8 19,1 19,8 21,0 23,5
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m		Connectors			
	5-470 MHz > 34		EN 50117				ACG11			
	470-1000 MHz > 32		CEI 46-1				ACV11			
	1000-2000 MHz > 30		CEI 12-15							
2000-3000 MHz > 28		CEI UNEL 36762								
										
5 x CCS 36 - Int. Jacket PVC White, Red, Green, Blue, Yellow - Ext. PVC Aqua - Insulation C-4 (U0=400V)										
SA365AZ 	Su richiesta	12	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 75% 26 Ohm/Km	11	75 ± 5	85%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	11,4 22,4 32,9 44,8 48,8 58,7 63,5 69,3 70,9 75,8 84,7
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 55 ± 3 pF/m		Connectors			
	5-470 MHz > 30		EN 50117				ACF36			
	470-1000 MHz > 28		CEI 12-15				AV122			
	1000-2000 MHz > 26		CEI UNEL 36762							
2000-3000 MHz > 24										
										
2 x EXTRA 80 DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)										
SA80XBA° 	On request	7,2	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL3 100% CuSn 75% 16 Ohm/Km	12,5x5,1	75 ± 2	83%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	5,8 12,0 17,6 24,4 26,3 30,3 34,6 37,6 38,6 40,6 45,4
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m					
	5-470 MHz > 32		EN 50117							
	470-1000 MHz > 30		CEI 46-1							
	1000-2000 MHz > 28		CEI 12-15							
2000-3000 MHz > 26		CEI UNEL 36762								
										
4 x CCS 59 - Int. Jacket PVC Red, Green, Blue, Yellow - Ext. PVC Gray - Insulation C-4 (U0=400V)										
SA594GR 	On request	15,8	CW 0,81mm 84 Ohm/km	PEGJ 3,5	AL3 100% CuSn 60% 19 Ohm/Km	13,5	75 ± 3	83%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	5,8 12,0 17,6 24,4 26,4 30,3 34,8 37,6 38,9 40,8 45,6
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m		Connectors			
	5-470 MHz > 32		EN 50117				AC-EA			
	470-1000 MHz > 30		CEI 12-15				AV121			
	1000-2000 MHz > 28		CEI UNEL 36762							
2000-3000 MHz > 26										
										
5 x CCS 59 - Int. Jacket PVC White, Red, Green, Blue, Yellow - Ext. PVC Gray - Insulation C-4 (U0=400V)										
SA595GR 	Su richiesta	23,7	CW 0,81mm 84 Ohm/km	PEGJ 3,5	AL3 100% CuSn 60% 19 Ohm/Km	14,8	75 ± 3	83%	50 230 470 860 1000 1350 1750 2000 2150 2400 3000	5,8 12,0 17,6 24,4 26,4 30,3 34,8 37,6 38,9 40,8 45,6
	RL (dB)		Standards		Screening Efficiency > 95 db Capacity 53 ± 2 pF/m		Connectors			
	5-470 MHz > 32		EN 50117				AC-EA			
	470-1000 MHz > 30		CEI 12-15				AV121			
	1000-2000 MHz > 28		CEI UNEL 36762							
2000-3000 MHz > 26										
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Coaxial cables for SAT and DVB-T - Eca

Distribution and reception of "analog signals" coming from satellite transmissions. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
EXTRA 65 - PVC White - Insulation C-4 (U0=400V)										
SAE65BI 	Su richiesta	2,6	CU 0,65mm	PEGJ 2,95	AL3 100% CuSn 55% 33 Ohm/Km	4,3	75 ± 3	83%	50	7,2
			53 Ohm/km						230	15,4
									470	22,1
									860	29,6
									1000	32,3
									1350	35,5
									1750	42,7
									2000	45,6
									2150	47,2
									2400	49,5
									3000	55,3
EXTRA 80 - PVC White - Insulation C-4 (U0=400V)										
SAE80BI 	M100 MB300 B500	3,2	CU 0,80mm	PEGJ 3,5	AL3 100% CuSn 58% 24 Ohm/Km	5,0	75 ± 3	83%	50	5,8
			35 Ohm/km						230	12,1
									470	17,7
									860	24,5
									1000	26,5
									1350	30,8
									1750	34,6
									2000	37,8
									2150	38,8
									2400	40,8
									3000	45,6
SAD39 - PVC White, disponibile anche nei colori Red, Green, Blue, Yellow, Black - Insulation C-4 (U0=400V)										
SAD39BI 	M100 B500	2,9	CU 0,80mm	PEGJ 3,5	AL3 100% CuSn 50% 34 Ohm/Km	5,0	75 ± 3	83%	50	6,0
			35,6 Ohm/km						230	12,9
									470	18,4
									860	24,9
									1000	26,8
									1350	31,2
									1750	35,5
									2000	37,9
									2150	39,3
									2400	41,5
									3000	46,4
SAA39 0,8/3,5 ALL - PVC White - Insulation C-4 (U0=400V)										
SAA39BI 	M100 MB300 B500	3,0	CU 0,80mm	PEGJ 3,5	AL/Pet 100% Almelec 35% 50 Ohm/Km	5,1	75 ± 3	83%	50	5,9
			35 Ohm/km						230	12,3
									470	18,0
									860	24,8
									1000	26,8
									1350	31,1
									1750	35,0
									2000	38,3
									2150	39,5
									2400	41,8
									3000	46,7
CCS 59 (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SA-59BI 	M100 M200 MB300 B500	3,2	CW 0,81mm	PEGJ 3,5	AL3 100% CuSn 55% 19 Ohm/Km	5,0	75 ± 3	83%	50	5,8
			84 Ohm/km						230	12,0
									470	17,6
									860	24,4
									1000	26,4
									1350	30,3
									1750	34,8
									2000	37,6
									2150	38,9
									2400	40,8
									3000	45,6
Coax 1,02/4,4 - PVC White - Insulation C-4 (U0=400V)										
SAD31BI 	Su richiesta	3,2	CU 1,02mm	PEGJ 4,4	AL3 100% Cu 40% 22 Ohm/Km	6,0	75 ± 2	85%	50	4,6
			22 Ohm/km						230	9,6
									470	14,0
									860	19,9
									1000	21,5
									1350	24,9
									1750	29,0
									2000	31,0
									2150	32,4
									2400	34,2
									3000	38,2

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Coaxial cables for SAT and DVB-T - Eca

Distribution and reception of "analog signals" coming from satellite transmissions. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
AMEL 100 - PVC White - Insulation C-4 (U0=400V)										
SAAM1BI	Su richiesta	3,2	CU 1,02mm	PEGJ	AL3 100%	6,2	75 ± 2	85%	50	4,6
			22 Ohm/km	4,4	Almelec 40%				230	9,6
					37 Ohm/Km				470	14,0
									860	19,6
									1000	21,0
										
										
	RL (dB)		Standards		Screening Efficiency > 75 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-OI		1350	24,9
	470-1000 MHz > 34		CEI 46-1					1750	28,6	
	1000-2000 MHz > 30		CEI 12-15					2000	31,0	
		2000-3000 MHz > 28		CEI UNEL 36762				2150	32,0	
								2400	33,8	
								3000	37,8	
SAD29 Classe A - PVC White - Insulation C-4 (U0=400V)										
SAD29BI	M100 B300	4	CU 1,13mm	PEGJ	AL3 100%	6,6	75 ± 2	85%	50	4,1
			18 Ohm/km	4,8	CuSn 40%				230	8,6
					35 Ohm/Km				470	12,6
									860	17,6
									1000	19,2
										
										
	RL (dB)		Standards		Screening Efficiency > 85 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-SI		1350	22,4
	470-1000 MHz > 34		CEI 46-1				AV125		1750	26,0
	1000-2000 MHz > 30		CEI 12-15					2000	27,8	
		2000-3000 MHz > 28		CEI UNEL 36762				2150	28,7	
								2400	30,5	
								3000	34,1	
SAT 300 - PVC White - Insulation C-4 (U0=400V)										
SA300BI	M100 MB250 B300 B1000	4,1	CU 1,13mm	PEGJ	AL3 100%	6,7	75 ± 2	85%	50	4,1
			18 Ohm/km	4,8	CuSn 50%				230	8,6
					20 Ohm/Km				470	12,6
									860	17,6
									1000	19,2
										
										
	RL (dB)		Standards		Screening Efficiency > 90 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-SI		1350	22,4
	470-1000 MHz > 34		CEI 46-1				AV125		1750	26,0
	1000-2000 MHz > 30		CEI 12-15					2000	27,8	
		2000-3000 MHz > 28		CEI UNEL 36762				2150	28,7	
								2400	30,5	
								3000	34,1	
SAA29 1,13/4,8 ALL - PVC White - Insulation C-4 (U0=400V)										
SAA29BI	M100 EX300	3,6	CU 1,13mm	PEGJ	AL3 100%	6,6	75 ± 3	84%	50	4,1
			18 Ohm/km	4,8	Almelec 40%				230	8,6
					30 Ohm/Km				470	12,6
									860	17,6
									1000	19,2
										
										
	RL (dB)		Standards		Screening Efficiency > 80 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 3 pF/m		AC-SI		1350	22,4
	470-1000 MHz > 34		CEI 46-1				AV125		1750	26,0
	1000-2000 MHz > 30		CEI 12-15					2000	27,8	
		2000-3000 MHz > 28						2150	28,7	
								2400	30,5	
								3000	34,1	
AMEL SAT - PVC White - Insulation C-4 (U0=400V)										
SAAMSB1	M100 MB250 B300	3,1	CCA	PEGJ	AL3 100%	6,7	75 ± 2	85%	50	4,1
			1,13mm	4,8	Almelec 31%				230	8,6
			26 Ohm/km		37 Ohm/Km				470	12,6
									860	17,6
									1000	19,2
										
										
	RL (dB)		Standards		Screening Efficiency > 75 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-SI		1350	22,4
	470-1000 MHz > 34		CEI 46-1				AV125		1750	26,0
	1000-2000 MHz > 30		CEI 12-15					2000	27,8	
		2000-3000 MHz > 28		CEI UNEL 36762				2150	28,7	
								2400	30,5	
								3000	34,1	
SAT 300 Auto-carrying - PE Black - Insulation C-4 (U0=400V)										
SA3APPN	Su richiesta	5,6	CU 1,13mm	PEGJ	AL3 100%	6,7x10,2	75 ± 2	85%	50	4,1
			18 Ohm/km	4,8	CuSn 50%				230	8,6
					20 Ohm/Km				470	12,6
									860	17,6
									1000	19,2
										
										
	RL (dB)		Standards		Screening Efficiency > 90 db		Connectors			
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-SI		1350	22,4
	470-1000 MHz > 34		CEI 46-1				AV125		1750	26,0
	1000-2000 MHz > 30		CEI 12-15					2000	27,8	
		2000-3000 MHz > 28		CEI UNEL 36762				2150	28,7	
								2400	30,5	
								3000	34,1	

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

SAT and DVB-T coax cables - Double Jacket for outdoor/direct burial applications

Distribution and reception of TV signals. Double-Sheathed cables are particularly suitable for being laid in damp environments, whereas Blindo (armoured) cables are for underground use. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
EXTRA 80 DIGITAL Double Jackets - Int. Jacket PVC White - Ext. PE Black UV resistant - Insulation C-4 (U0=400V)										
SA8DDPN 	Su richiesta	4,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL3 100% CuSn 75% 16 Ohm/Km	6,7	75 ± 3	83%	50	5,8
									230	12,0
									470	17,6
									860	24,4
									1000	26,3
									1350	30,3
									1750	34,6
									2000	37,6
									2150	38,6
									2400	40,6
3000	45,4									
	RL (dB)	Standards	Screening Efficiency > 95 db	Connectors						
	5-470 MHz > 32	EN 50117	Capacity 53 ± 2 pF/m	AC-EA						
	470-1000 MHz > 30	CEI 46-1		AV121						
	1000-2000 MHz > 28	CEI 12-15								
	2000-3000 MHz > 26	CEI UNEL 36762								
BLINDO 6 Armured Foil + water swellable tape - Int. Jacket PE - Ext. PE Black - Insulation C-4 (U0=400V)										
CA-T6PN 	M100 B500 1000	8	CU 1,02mm 22 Ohm/km	PEGJ 4,4	AL3 100% CuSn 70% 18 Ohm/Km	10,2	75 ± 2	85%	50	4,6
									230	9,6
									470	14,0
									860	19,6
									1000	21,0
									1350	24,8
									1750	28,5
									2000	30,9
									2150	31,9
									2400	33,7
3000	37,7									
	RL (dB)	Standards	Screening Efficiency > 110 db	Connectors						
	5-470 MHz > 36	EN 50117	Capacity 52 ± 2 pF/m	AC-OI						
	470-1000 MHz > 34	CEI 46-1		AV124						
	1000-2000 MHz > 30	CEI 12-15								
	2000-3000 MHz > 28	CEI UNEL 36762								
SAT 300 Double Jackets - Int. Jacket PVC White - Ext. PE Black UV res. - Insulation C-4 (U0=400V)										
SA30DPN 	M100 B250 B500 B1000	6	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3 100% CuSn 50% 20 Ohm/Km	7,9	75 ± 2	85%	50	3,7
									230	8,2
									470	12,1
									860	17,0
									1000	18,4
									1350	21,5
									1750	25,0
									2000	27,3
									2150	28,1
									2400	30,0
3000	33,5									
	RL (dB)	Standards	Screening Efficiency > 90 db	Connectors						
	5-470 MHz > 36	EN 50117	Capacity 52 ± 2 pF/m	AC-SI						
	470-1000 MHz > 34	CEI 46-1		AV125						
	1000-2000 MHz > 30	CEI 12-15								
	2000-3000 MHz > 28	CEI UNEL 36762								
75 Ohm SAT DIGITAL Double Jackets - Int. Jacket PVC White - Ext. PE Black - Insulation C-4 (U0=400V)										
SA75DPN 	M100 B500 B1000	7,3	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 90% 8 Ohm/Km	8,4	75 ± 2	85%	50	3,9
									230	8,4
									470	12,3
									860	17,2
									1000	18,5
									1350	21,7
									1750	25,1
									2000	27,3
									2150	28,2
									2400	30,0
5500	46,0									
	RL (dB)	Standards	Screening Efficiency > 105 db	Connectors						
	5-470 MHz > 36	EN 50117	Capacity 52 ± 2 pF/m	AC-SI						
	470-1000 MHz > 34	CEI 46-1		AV125						
	1000-2000 MHz > 30	CEI 12-15								
	2000-3000 MHz > 28	CEI UNEL 36762								
BLINDO 3 Armured Foil + water swellable tape - Int. Jacket PE - Ext. PE Black - Insulation C-4 (U0=400V)										
CA-T3PN 	M100 B500 1000	16,2	CU 1,63mm 8,6 Ohm/km	PEGJ 7,2	AL3 100% CuSn 65% 8,5 Ohm/Km	13,5	75 ± 2	85%	50	3,0
									230	6,2
									470	9,3
									860	12,8
									1000	14,0
									1350	16,3
									1750	17,9
									2000	19,3
									2150	20,2
									2400	21,4
3000	23,9									
	RL (dB)	Standards	Screening Efficiency > 110 db	Connectors						
	5-470 MHz > 34	EN 50117	Capacity 53 ± 2 pF/m	ACG11						
	470-1000 MHz > 32	CEI 46-1		ACV11						
	1000-2000 MHz > 30	CEI 12-15								
	2000-3000 MHz > 28	CEI UNEL 36762								
COAX 4 FB14 PE - PE Black - Insulation C-4 (U0=400V)										
CX4C0 	B500 1000	17	CU 2,23mm 4,5 Ohm/km	PEGJ 10,2	CU 100% CuSn 60% 4,5 Ohm/Km	13,8	75 ± 3	82%	50	1,9
									230	4,2
									470	6,4
									860	9,1
									1000	10,0
									1350	11,9
									1750	13,9
									2150	15,7
									2400	16,8
									3000	17,9
	RL (dB)	Standards	Screening Efficiency > 100 db							
	100-300MHz > 26	EN 50117	Capacity 54 ± 2 pF/m							
	300-900MHz > 23	IEC 1196								
	900-2150MHz > 18	CEI UNEL 36762								

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Video Broadcast and HDTV

Triple shielded cables for HD video signals



Cables for Video Broadcast and HDTV systems

Broadcast and HDTV solutions for TV Stations, Outside Broadcast Vans, Production Companies, Recording Studios and Post Production.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel. Ratio	Freq. MHz	Atten. db/100m
Coax 0,6 / 2,8 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SA6SSVZ°	On request	2,8	CU 0,60mm 60 Ohm/km	PEGJ 2,75	AL3 100% CuSn 92% 14 Ohm/Km	4,5	75 ± 2	82%	1 5 10 100 135 200 270 500 1000	1,1 2,6 3,7 10,2 12,1 14,5 16,9 23,4 34,4
	RL (dB)		Standards		Screening Efficiency > 105 db Capacity 54 ± 2 pF/m		Connectors AC123 AV123			
	5-470 MHz	> 32	CEI UNEL 36762							
	470-1000 MHz	> 30	IEC 60754-1 (CEI 20-37/1)							
	1000-2000 MHz	> 28	IEC 60754-2 (CEI 20-37/2)							
	2000-3000 MHz	> 26	EN 61034-2 (CEI 20-37/3) IEC 60332-3-24: Cat C (CEI 20-22-III)							
Coax 0,8/3,7 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SA8SSVZ°	On request	4,7	CU 0,80mm 35 Ohm/km	PEGJ 3,65 ± 0,05	AL3 100% CuSn 95% 11 Ohm/Km	6,0	75 ± 2	83%	1 5 10 100 135 200 270 500 1000	0,8 2,2 2,9 8,5 9,9 11,3 13,7 18,9 27,6
	RL (dB)		Standards		Screening Efficiency > 105 db Capacity 54 ± 2 pF/m		Connectors AC-EA AV121			
	5-470 MHz	> 32	CEI 12-15							
	470-1000 MHz	> 30	CEI 46-1							
	1000-2000 MHz	> 28	EN 50117							
	2000-3000 MHz	> 26	CEI UNEL 36762							
Coax 1,02 / 4,70 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SALD1VZ	On request	5,3	CU 1,02mm 22 Ohm/km	PEGJ 4,7	AL3 100% CuSn 95% 8,2 Ohm/Km	6,9	75 ± 2	84%	1 5 10 100 135 200 270 500 1000 3000	0,8 1,5 2,1 6,2 7,3 9,0 10,2 14,3 21,3 36,8
	RL (dB)		Standards		Screening Efficiency > 105 db Capacity 53 ± 2 pF/m					
	5-470 MHz	> 36	CEI UNEL 36762							
	470-1000 MHz	> 34	IEC 60754-1/2							
	1000-2000 MHz	> 30	EN 61034-1-2							
	2000-3000 MHz	> 28	IEC 60332-1							
Coax 1,2L / 4,9 Flex HDTV PVC - PVC fire retardant Black - Insulation C-4 (U0=400V)										
HD74FNM°	On request	6,8	CU 7x0,4mm 19 Ohm/km	PEGJ 4,9	CuSn 95% CuSn 90% 5,0 Ohm/Km	7,1	75 ± 2	85%	1 5 10 100 135 200 270 500 1000	0,7 1,6 2,2 7,0 8,2 10,0 11,7 15,6 22,8
	RL (dB)		Standards		Screening Efficiency > 92 db Capacity 53 ± 2 pF/m					
	5-470 MHz	> 34	EN 50117							
	470-1000 MHz	> 32	CEI 46-1							
	1000-2000 MHz	> 30	IEC 60332-1							
	2000-3000 MHz	> 28								
TRIAx 8 Flex - Int. Jacket PU Neutral - Ext. PVC fire retardant Red										
TRI8FRE°	On request	10	CUAg 7x0,35mm 23 Ohm/km	PEGJ 4,6	CUAg 90% CU 90% 7 Ohm/Km	8,5	75 ± 2	84%	1 5 10 20 40 50 100 300	0,6 1,4 2,2 3,1 4,5 5,0 7,4 13,5
	RL (dB)		Standards		Screening Efficiency > 75 db Capacity 53 ± 2 pF/m					
	100-300MHz	> 35	IEC 60332-1							
	300-1000MHz	> 30								
TRIAx 8 PVC - Int. Jacket PE Neutral - Ext. PVC fire retardant Red										
TRI-8RE°	On request	9,5	CUAg 1mm 23 Ohm/km	PEGJ 4,5	CUAg 90% CU 90% 7 Ohm/Km	8,5	75 ± 2	84%	1 2 5 10 20 40 50 100 300	0,6 0,9 1,4 2,0 2,9 4,2 4,7 6,7 12,0
	RL (dB)		Standards		Screening Efficiency > 75 db Capacity 53 ± 2 pF/m					
	100-300MHz	> 37	CEI 20-22.III							
	300-1000MHz	> 35	EN 50117							
	1-2,4 GHz	> 28	CEI 46-1							
	2,4-3,0 GHz	> 25	CEI 12-15							

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Cables for Video Broadcast and HDTV systems

Broadcast and HDTV solutions for TV Stations, Outside Broadcast Vans, Production Companies, Recording Studios and Post Production.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m									
Coax 1,63 / 7,20 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)																			
SA63SVZ° 	On request	12,8	CU 1,63mm 8,6 Ohm/km	PEGJ 7,2	AL3/3 100% CuSn 95% 5,0 Ohm/Km	10,2	75 ± 2	84%	1	0,4									
									5	1,0									
									10	1,4									
									100	4,0									
									135	4,6									
									200	5,8									
									270	7,0									
									500	9,5									
									1000	13,8									
									2000	19,1									
RL (dB)									2250	20,8									
Standards									2500	21,2									
5-470 MHz > 34																			
470-1000 MHz > 32																			
1000-2000 MHz > 30																			
2000-3000 MHz > 28																			
CEI UNEL 36762																			
IEC 60754-1 (CEI 20-37/1)																			
IEC 60754-2 (CEI 20-37/2)																			
EN 61034-2 (CEI 20-37/3)																			
IEC 60332-3-24: Cat C (CEI 20-22-III)																			
Screening Efficiency > 105 db																			
Capacity 53 ± 2 pF/m																			
F08 HD TV																			
TRIAx 11 Flex - Int. Jacket PU Neutral - Ext. PVC AF Red																			
TRI-FRE° 	On request	16	CuAg 19x0,28mm 12 Ohm/km	PEGJ 6,0	CuAg 90% CU 85% 7 Ohm/Km	11	75 ± 2	82%	1	0,5									
									5	1,2									
									10	1,6									
									20	2,3									
									40	3,3									
									50	3,6									
									100	5,3									
									300	10,1									
									RL (dB)										
									Standards										
100-300MHz > 35																			
300-1000MHz > 30																			
IEC 60332-1																			
Screening Efficiency > 75 db																			
Capacity 54 ± 2 pF/m																			
F08																			
Coax 3 x 0,6 / 2,8 HDTV - Int. Jacket LSZH Red, Green, Blue - Ext. Thermoplastic LSZH Black - Insulation C-4 (U0=400V)																			
SA6H3NZ° 	On request	16	CU 0,60mm 60 Ohm/km	PEGJ 2,75	AL3 100% CuSn 92% 14 Ohm/Km	11,9	75 ± 2	82%	1	1,1									
									5	2,6									
									10	3,7									
									100	10,2									
									135	12,1									
									200	14,5									
									270	16,9									
									500	23,4									
									1000	34,4									
									RL (dB)										
Standards																			
5-470 MHz > 32																			
470-1000 MHz > 30																			
1000-2000 MHz > 28																			
2000-3000 MHz > 26																			
CEI UNEL 36762																			
EN 50117																			
EN 61034-1/2																			
IEC 60332-3-24: Cat C																			
IEC 60754-1/2																			
Screening Efficiency > 105 db																			
Capacity 54 ± 2 pF/m																			
F08 HD TV																			
TRIAx11 - Int. Jacket PE Neutral - Ext. PVC fire retardant Red																			
TRIAxRE° 	B500 B1000	16	CuAg 1,4mm 12 Ohm/km	PEGJ 6,4	CuAg 90% CU 85% 7 Ohm/Km	11	75 ± 2	82%	5	0,4									
									10	1,5									
									20	2,1									
									40	3,1									
									50	3,5									
									100	5,1									
									300	9,7									
									RL (dB)										
									Standards										
									100-300MHz > 37										
300-1000MHz > 35																			
IEC 60332-1																			
Screening Efficiency > 75 db																			
Capacity 54 ± 2 pF/m																			
F08																			
TRIAx 14 - Int. Jacket PE Neutral - Ext. PE Red																			
TRI14PR° 	On request	22	CuAg 7x0,75 mm 5,5 Ohm/km	PEGJ 9,7 +/- 0,1	CuAg 90% CU 80% 4 and 4 Ohm/Km	14,4	75 ± 3	82%	1	0,3									
									2	0,5									
									5	0,8									
									10	1,2									
									20	1,7									
									40	2,5									
									50	2,8									
									60	3,1									
									100	4,1									
									300	7,5									
RL (dB)																			
Standards																			
0-1000MHz > 33																			
EN 50117																			
CEI 46-1																			
CEI 12-15																			
IEC60332-1																			
Screening Efficiency > 75 db																			
Capacity 54 ± 2 pF/m																			
F08																			
Coax 5 x 0,6 / 2,8 HDTV - Int. Jacket fire retardant PVC, Red, Green, Blue, Black, White - Ext. Black fire retardant PVC - Insulation C-4 (U0=400V)																			
SA6S5NN° 	On request	26	CU 0,60mm 60 Ohm/km	PEGJ 2,75	AL3 100% CuSn 92% 14 Ohm/Km	15,3	75 ± 2	82%	1	1,1									
									5	2,6									
									10	3,7									
									100	10,2									
									135	12,1									
									200	14,5									
									270	16,9									
									500	23,4									
									1000	34,4									
									RL (dB)										
Standards																			
5-470 MHz > 32																			
470-1000 MHz > 30																			
1000-2000 MHz > 28																			
2000-3000 MHz > 26																			
EN 50117																			
IEC60332-1-2																			
CEI UNEL 36762																			
Screening Efficiency > 95 db																			
Capacity 54 ± 2 pF/m																			
F08 HD TV																			

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

RG Cables

Distribution of analog signals for
video and radio frequency applications



75 Ohm RG Cables

Distribution of analog signals for video and CCTV applications.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
MINI RG-59 - PVC Black										
MIN59NE	Su richiesta	2	CU 0,45mm 106 Ohm/km	PEGJ 2,15	CU 95% 13 Ohm/Km	3,6	75 ± 2	80%	1 5 10 50 200 400 700 1000	1,4 2,9 4,2 9,8 19,6 28,2 38,1 47,5
										
										
RG 59 M-17/29 - PVC Black										
RG59BNE	M100 MB300 B350 B500 B1000	5	CW 0,58mm 160 Ohm/km	PE 3,7	CU 94% 14 Ohm/Km	6,15	75 ± 2	66%	50 230 470 860 1000	7,7 18,2 26,6 36,1 38,5
										
										
RG 59 B/U LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL59GZ	M100 B500 B1000	6,2	CW 0,58mm 160 Ohm/km	PE 3,7	CU 94% 9 Ohm/Km	6,2	75 ± 2	66%	50 230 470 860 1000	7,7 18,2 26,6 36,1 38,5
										
										
RG 59 Double Shielded - PVC Black										
TY59SNE	Su richiesta	6,6	CW 0,58mm 160 Ohm/km	PE 3,7	CU 94% CU 93% 7 Ohm/Km	6,7	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
										
										
RG 6 M-17/2 - PVC Black										
RG-6ANE	M100 B1000	11,3	CW 0,72mm 106 Ohm/km	PE 4,8	CuAg 95% CU 90% 4,4 Ohm/Km	8,4	75 ± 2	67%	50 230 470 860 1000	6,3 14,0 21,0 27,1 32,3
										
										
RG 11 M-17/6 - PVC Black										
RG11ANE	M100 B500 B1000	12,7	CuSn 7x0,4mm 20,5 Ohm/km	PE 7,2	CU 94% 4,2 Ohm/Km	10,3	75 ± 3	66%	50 230 470 860 1000	5,2 11,5 17,0 20,5 25,6
										
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

75 Ohm RG Cables

Distribution of analog signals for video and CCTV applications.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel. Ratio	Freq. MHz	Atten. db/100m
RG 11 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
	Su richiesta	13	CuSn 7x0,4mm 20,5 Ohm/km	PE 7,2	CU 94% 4,2 Ohm/Km	10,3	75 ± 2	66%	50 230 470 860 1000	5,2 11,5 17,0 20,5 25,6
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22.III CEI 20-35 CEI 20-37 MIL C-17 CEI UNEL 36762		Screening Efficiency > 60 db Capacity 67 ± 2 pF/m		Connectors ACG11			
	 									
RG 59 Type - Int. Jacket PE neutro - Ext. PVC nero										
	M100 B350 B500 B1000	3,8	CW 0,58mm 160 Ohm/km	PE 3,7	CU 55% 28 Ohm/Km	5,9	75 ± 2	66%	50 230 470 860 1000	8,1 18,9 27,2 37,0 39,3
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1		Screening Efficiency > 45 db Capacity 67 ± 2 pF/m		Connectors ACBAB			
										
RG 59 B/U - PVC Black										
	M100 B350 B500 B1000	5,2	CW 0,58mm 160 Ohm/km	PE 3,7	CU 80% 14 Ohm/Km	6,2	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards MIL C-17 p.q.a. CEI 46-1		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors ACBAB			
										
RG 59 T - PVC Black										
	M100 B500 B1000	4,2	CU 0,60mm 59 Ohm/km	PE 3,7	CU 65% 22 Ohm/Km	6,2	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1		Screening Efficiency > 48 db Capacity 67 ± 2 pF/m		Connectors ACBAB			
										
RG 59 Double Jackets - Int. Jacket PVC Black - Ext. PE Black - Insulation C-4 (U0=400V)										
	M100 B500 B1000	6,3	CW 0,58mm 160 Ohm/km	PE 3,7	CU 94% 9 Ohm/Km	7,6	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards MIL C-17 p.q.a. CEI 46-1 CEI UNEL 36762		Screening Efficiency > 55 db Capacity 67 ± 2 pF/m		Connectors ACBAB			
	 									
RG 11 Double Jackets - Int. Jacket PE Neutral - Ext. PVC Black - Insulation C-4 (U0=400V)										
	Su richiesta	17	CuSn 7x0,4mm 20,5 Ohm/km	PE 7,2	CU 94% 4,2 Ohm/Km	13,3	75 ± 3	66%	50 230 470 860 1000	5,2 11,5 17,0 20,5 25,6
	RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1 CEI UNEL 36762		Screening Efficiency > 60 db Capacity 67 ± 2 pF/m		Connectors ACG11			
	 									

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

50 Ohm RG Cables

Distribution of radio frequency signals and transceivers.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
RG 174 M-17/119 - PVC Black										
RG174NE	M100	1,5	CW	PE 1,5	CUST 94%	2,8	50 ± 3	66%	50	18,1
	B500		7x0,16mm						22 Ohm/Km	230
	B1000		260 Ohm/km						470	55,4
									860	69,5
									1000	92,5
	RL (dB)		Standards		Screening Efficiency > 55 db					
	100-300MHz > 30		MIL C-17		Capacity 100 ± 2 pF/m					
	300-900MHz > 28									
RG 58 M-17/28 - PVC Black										
RG58CNE	M100	3,7	CuSn	PE 2,95	CuSn 92%	4,95	50 ± 2	66%	50	10,4
	B500		19x0,18mm						17 Ohm/Km	230
	B1000		38 Ohm/km						470	36,5
									860	52,2
									1000	57,8
	RL (dB)		Standards		Screening Efficiency > 55 db				Connectors ACBAA	
	100-300MHz > 35		MIL C-17F		Capacity 98 ± 2 pF/m					
	300-900MHz > 30									
RG 223 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL23GZ	Su richiesta	5,3	CuAg	PE 2,95	CuAg 95%	5,3	50 ± 2	66%	50	10,5
			0,90mm						CuAg 90%	230
			28,0 Ohm/km		4,5 Ohm/Km				470	33,8
									860	43,9
									1000	54,2
	RL (dB)		Standards		Screening Efficiency > 70 db					
	100-300MHz > 35		CEI 20-22.III		Capacity 98 ± 2 pF/m					
	300-900MHz > 30		CEI 20-35							
			CEI 20-37							
			MIL C-17							
			CEI UNEL 36762							
RG 223 M-17/84 - PVC Black										
RG223NE	M100	5,3	CuAg	PE 2,95	CuAg 95%	5,4	50 ± 2	66%	50	10,5
	B500		0,90mm						CuAg 90%	230
	B1000		28 Ohm/km		4,5 Ohm/Km				470	33,8
									860	43,9
									1000	54,2
	RL (dB)		Standards		Screening Efficiency > 70 db					
	100-300MHz > 35		MIL C-17		Capacity 97 ± 2 pF/m					
	300-900MHz > 30									
RG 213 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL13GZ	M100	15,0	CU	PE 7,2	CU 94%	10,2	50 ± 2	66%	50	4,8
	B1000		7x0,75mm						4,2 Ohm/Km	230
			6,0 Ohm/km						470	15,3
									860	22,3
									1000	24,5
	RL (dB)		Standards		Screening Efficiency > 55 db					
	100-300MHz > 35		CEI 20-22.III		Capacity 98 ± 2 pF/m					
	300-900MHz > 30		CEI 20-35							
			CEI 20-37							
			MIL C-17							
			CEI UNEL 36762							
RG 213 M-17/74 - PVC Black										
RG213NE	M100	15	CU	PE 7,2	CU 94%	10,3	50 ± 2	66%	50	4,8
	B500		7x0,75mm						5,9 Ohm/Km	230
	B1000		6 Ohm/km						470	15,3
									860	22,3
									1000	24,5
	RL (dB)		Standards		Screening Efficiency > 55 db					
	100-300MHz > 30		MIL C-17		Capacity 98 ± 2 pF/m					
	300-900MHz > 28									

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

50 Ohm RG Cables

Distribution of radio frequency signals and transceivers.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
RG 214/U M-17/75 - PVC Black										
RG214NE 	M100	18,5	CuAg 7x0,75mm 5,7 Ohm/km	PE 7,2	CuAg 95% CuAg 90% 3,1 Ohm/Km	10,8±0,18	50 ± 2	66%	50	4,3
	B500								230	9,2
	B1000								470	13,6
									860	20,9
									1000	23,0
 		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards MIL C-17 IEC 332-1-2		Screening Efficiency > 70 db Capacity 98 ± 2 pF/m				
RG 58 A/U - PVC Black										
TY-58NE 	M100	3,2	CuSn 19x0,18mm 38 Ohm/km	PE 2,95	CuSn 75% 22 Ohm/Km	5,0	50 ± 2	66%	50	11,0
	B500								230	24,1
	B1000								470	40,8
									860	54,3
									1000	59,1
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1		Screening Efficiency > 45 db Capacity 98 ± 2 pF/m			Connectors ACBAA	
RG 58 R - PVC Black										
TY58RNE 	Su richiesta	3	CU 19x0,18mm 38 Ohm/km	PE 2,95	CU 65% 28 Ohm/Km	5,0	50 ± 2	66%	50	11,3
									230	24,5
									470	41,4
									860	55,5
									1000	62,0
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1		Screening Efficiency > 38 db Capacity 98 ± 2 pF/m			Connectors ACBAA	
RG 58 C/U LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL58GZ 	M100	3,8	CuSn 19x0,18mm 38 Ohm/km	PE 2,95	CuSn 92% 17 Ohm/Km	5,0	50 ± 2	66%	50	10,4
	B1000								230	23,3
									470	36,5
									860	52,2
									1000	57,8
 		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22.III CEI 20-35 CEI 20-37 MIL C-17 CEI UNEL 36762		Screening Efficiency > 55 db Capacity 98 ± 2 pF/m			Connectors ACBAA	
RG 214 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL14GZ 	Su richiesta	17,8	CuAg 7x0,75mm 6,0 Ohm/km	PE 7,2	CuAg 95% CuAg 90% 3,1 Ohm/Km	10,8	50 ± 2	66%	50	4,3
									230	9,2
									470	13,6
									860	20,9
									1000	23,0
 		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22.III CEI 20-35 CEI 20-37 MIL C-17 CEI UNEL 36762		Screening Efficiency > 70 db Capacity 98 ± 2 pF/m				
RG 213 PEE Bassa perdita - PE Black - Insulation C-4 (U0=400V)										
TY13PNE 	Su richiesta	12,8	CU 2,50mm 3,6 Ohm/km	PEE 7,2	F.CU 100% CU 65% 6 Ohm/Km	10,3	50 ± 3	80%	50	2,9
									230	6,9
									470	10,2
									860	13,8
									1000	16,8
		RL (dB) 100-300MHz > 30 300-900MHz > 28		Standards CEI 46-1 CEI UNEL 36762		Screening Efficiency > 90 db Capacity 78 ± 2 pF/m				

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

50 Ohm RG Cables - LOW LOSS

Cables for wireless applications, ideal for Mobile Telephony and Broadband.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
RG 58 ALL Low Loss - PVC Black - Insulation C-4 (U0=400V)										
TY58ANE	Su richiesta	3,2	CuSn 19x0,2mm 38 Ohm/km	PEGJ 2,9	AL3 100% CuSn 82% 18 Ohm/Km	5,0	50 ± 3	80%	50 100 230 470 860 1000 2000 3000	8,2 11,5 16,3 24,8 38,2 42,9 50,5 62,5
										
										
	RL (dB)		Standards		Screening Efficiency > 80 db			Connectors ACBAA		
	50-470MHz > 33		IEC 60332-1		Capacity 82 ± 2 pF/m					
	470-1000MHz > 30		CEI UNEL 36762							
	1000-2000MHz > 25									
	2000-3000MHz > 20									
1,37/4,0 LSZH Low Loss - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
TY134GZ	Su richiesta	6,2	Cu 1,37mm 11,6 Ohm/km	PEGJ 4,0	AL3 100% CuSn 93% 8,8 Ohm/Km	6,3	50 ± 3	84%	50 100 230 470 860 1000 2000 3000	5,7 8,0 12,3 17,6 23,8 25,9 37,9 47,0
										
										
	RL (dB)		Standards		Screening Efficiency > 90 db					
	50-470MHz > 33		IEC 60332-1		Capacity 80 ± 2 pF/m					
	470-1000MHz > 30		IEC 60754-1/2							
	1000-2000MHz > 25		IEC 61034-2							
	2000-3000MHz > 20		CEI UNEL 36762							
RF 2,7L / 7,3 Flex Low Loss - PVC fire retardant Black - Insulation C-4 (U0=400V)										
TY13FNE°	On request	14	CU 7x0,9mm 3,7 Ohm/km	PEGJ 7,25	CU/Pet 100% CU 82% 6 Ohm/Km	9,0	50 ± 3	82%	10 50 100 230 500 1000 2000 3000	1,7 3,8 4,6 6,9 10,8 16,0 24,1 31,0
										
										
	RL (dB)		Standards		Screening Efficiency > 90 db					
	30-300MHz > 30		IEC 60332-1		Capacity 74 ± 2 pF/m					
	300-900MHz > 27		CEI UNEL 36762							
	900-3000MHz > 23									
RF 2,6 / 7,2 Low Loss - PVC Black										
H1000C0	M100 B500 B1000	9	CU 2,6mm 3,5 Ohm/km	PEGJ 7,15	CU 100% CU 50% 8,8 Ohm/Km	10,3	50 ± 3	83%	50 100 230 470 860 1000 2000 3000	2,8 4,0 6,1 9,1 13,5 14,0 21,7 26,4
										
										
	RL (dB)		Standards		Screening Efficiency > 100 db					
	50-470MHz > 33		IEC 60332-1		Capacity 80 ± 2 pF/m					
	470-1000MHz > 20									
	1000-2000MHz > 18									
	2000-3000MHz > 16									

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

LAN Cables



LAN cables (Cat. 6, 6a, 7, 7a) B2ca-s1,d1,a1 e Cca-s1,d1,a1

Structured wiring for telephone, data, video transmission, implementation of 10-Base-T, 100 Base-T, and 1000-Base-T (Gigabit Ethernet) LAN networks.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEIfext db	RL db	
4 x 2 x AWG 23 S/FTP Cat.7a LSZH - B2ca-s1,d1,a1 - Thermoplastic LSZH Gray												
1886ELV		B1000	5,2	CU 0,6mm	7,7	ISO/IEC 11801 Ed.2	1	2.1	78.0	75.0	20.0	
						EN 50173-1	4	3.7	78.0	75.0	23.0	
						EN 50575	10	5.8	78.0	75.0	25.0	
						IEC 61034-1/2	16	7.3	78.0	75.0	25.0	
						IEC 60754-1/2	31.2	10.3	78.0	75.0	23.6	
							62.5	14.6	78.0	75.0	21.5	
							100	18.5	75.4	72.4	20.1	
							250	29.7	69.4	66.4	17.3	
							600	47.1	63.7	60.7	17.3	
							1000	61.9	60.4	57.4	15.1	
	1200	68.4	59.2	56.2	14.3							
Imped.: 100 ± 10 Ohm Velocity Ratio: 76% Capacity: 56 pF/m Foil: AL2/2 su singola coppia 100 % Braid: CuSn > 30 %												
B2ca-s1,d1,a1 7a LSZH												
4 x 2 x AWG 23 S/FTP Cat.7 LSZH - B2ca-s1,d1,a1 - Thermoplastic LSZH Orange												
1885ELV		B1000	5,2	CU 0,6mm	7,6	ISO/IEC 11801 Ed.2	1	2.0	78.0	75.0	20.0	
						EN 50173-1	4	3.7	78.0	75.0	23.0	
						EN 50575	10	5.9	78.0	75.0	25.0	
						IEC 61034-1/2	16	7.4	78.0	75.0	25.0	
						IEC 60754-1/2	31.2	10.4	78.0	75.0	23.6	
							62.5	14.9	75.5	72.5	21.5	
							100	19.0	72.4	69.4	20.1	
							250	31.0	66.4	63.4	17.3	
							300	34.2	65.2	62.2	17.3	
							600	50.1	60.7	57.7	17.3	
	1000	66.9	57.4	54.4	15.1							
Imped.: 100 ± 10 Ohm Velocity Ratio: 78% Capacity: 56 pF/m Foil: AL2/2 su singola coppia 100 % Braid: CuSn > 30 %												
B2ca-s1,d1,a1 7 LSZH												
4 x 2 x AWG 23 U/FTP LSZH Cat.6A - B2ca-s1a,d1,a1 - Thermoplastic LSZH												
2203ELV		On request	6,6	CU 0,6mm	7,9	ISO/IEC 11801 Ed.C1	10	5.9	60.3	57.3	25.0	
						EN 50173-1 Ed. 3	31.2	10.5	52.9	49.9	23.6	
						ANSI/TIA/EIA 568-B	62.5	15.0	48.4	45.4	21.5	
						IEC 754-1	100	19.1	45.3	42.3	20.1	
						EN50267-1	200	27.6	40.8	37.8	18.0	
						IEC 60332-1	250	31.1	39.3	36.3	17.3	
							300	34.3	38.1	35.1	17.3	
							500	45.3	34.8	31.8	17.3	
							625	51.2	33.4	30.4	17.3	
						Imped.: 100 ± 15 Ohm Velocity Ratio: 77% Capacity: 56 pF/m Foil: Su ogni coppia: AL/Pet 100 %						
B2ca-s1a,d1,a1 6a LSZH												
4 x 2 x AWG 23 F/FTP LSZH Cat.6A - B2ca-s1a,d1,a1 - Thermoplastic LSZH												
2201ELV		On request	6,3	CU 0,6mm	7,9	ISO/IEC 11801 Ed.C1	10	5.9	60.3	57.3	25.0	
						EN 50173-1 Ed. 3	31.2	10.5	52.9	49.9	23.6	
						ANSI/TIA/EIA 568-B	62.5	15.0	48.4	45.4	21.5	
						IEC 754-1	100	19.1	45.3	42.3	20.1	
						EN50267-1	200	27.6	40.8	37.8	18.0	
						IEC 60332-1	250	31.1	39.3	36.3	17.3	
							300	34.3	38.1	35.1	17.3	
							500	45.3	34.8	31.8	17.3	
							625	51.2	33.4	30.4	17.3	
						Imped.: 100 ± 15 Ohm Velocity Ratio: 77% Capacity: 56 pF/m Foil: Su ogni coppia: AL/Pet 100 %						
B2ca-s1a,d1,a1 6a LSZH												
4 x 2 x AWG 23 U/UTP Cat.6 LSZH - B2ca-s1,d1,a1 - Thermoplastic LSZH Blue												
7965ELV		B1000	5,2	CU 0,51mm	6,6	ISO/IEC 11801 2.1	1	2.0	75.3	75.3	20.0	
						EIA/TIA 568-B.2.1	4	3.7	66.3	66.3	55.8	23.0
						IEC 61034-1/2	10	5.8	60.3	60.3	47.8	25.0
						IEC 60332-3-25	16	7.4	57.2	57.2	43.7	25.0
						IEC 60754-1/2	31.2	10.4	52.9	52.9	37.9	23.6
							62.5	15.0	48.4	48.4	31.9	21.5
							100	19.3	45.3	45.3	27.8	20.8
							200	28.3	40.8	40.8	21.8	18.7
							250	32.1	39.3	39.3	19.8	18.0
							300	35.6	38.1	36.1	18.3	17.5
	350	38.9	37.1	35.1	16.9	17.0						
Imped.: 100 ± 5 Ohm Velocity Ratio: 70% Capacity: 56 pF/m												
B2ca-s1,d1,a1 6 LSZH												
4 x 2 x AWG 23 U/UTP Cat.6 LSZH - Cca-s1,d1,a1 - Thermoplastic LSZH Blue												
7965ELW		B1000	5,2	CU 0,51mm	6,6	ISO/IEC 11801 2.1	1	2.0	75.3	75.3	20.0	
						EIA/TIA 568-B.2.1	4	3.7	66.3	66.3	55.8	23.0
						IEC 61034-1/2	10	5.8	60.3	60.3	47.8	25.0
						IEC 60332-3-25	16	7.4	57.2	57.2	43.7	25.0
						IEC 60754-1/2	31.2	10.4	52.9	52.9	37.9	23.6
							62.5	15.0	48.4	48.4	31.9	21.5
							100	19.3	45.3	45.3	27.8	20.8
							200	28.3	40.8	40.8	21.8	18.7
							250	32.1	39.3	39.3	19.8	18.0
							300	35.6	38.1	36.1	18.3	17.5
	350	38.9	37.1	35.1	16.9	17.0						
Imped.: 100 ± 5 Ohm Velocity Ratio: 70% Capacity: 56 pF/m												
Cca-s1,d1,a1 6 LSZH												

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.



LEGEND:



EN 50575 reaction to fire class



Cat. 7a



Cat. 6

LAN cables (Cat. 5, 5e, 6, 6a, 7)

Structured wiring for telephone, data, video transmission, implementation of 10-Base-T, 100 Base-T, and 1000-Base-T (Gigabit Ethernet) LAN networks.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEIfext db	RL db
4 x 2 x AWG 23 S(FTP) Cat.7 LSZH - Thermoplastic LSZH Gray											
	B1000	6	CU 0,6mm 70 Ohm/km	8,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1	1,9	100,0	98,0	95,0	26,0
						10	5,4	100,0	90,0	95,0	35,0
						20	7,6	100,0	98,0	87,0	35,0
						31,2	9,6	100,0	98,0	84,0	34,0
						62,5	13,6	100,0	98,0	80,0	32,0
						100	17,4	95,0	93,0	76,0	31,0
						155	21,7	95,0	93,0	72,0	29,0
						250	28,0	95,0	93,0	67,0	29,0
						600	43,5	90,0	88,0	60,0	28,0
						1000	56,6	90,0	88,0	56,0	20,0
Imped.: 100 ± 5 Ohm Velocity Ratio: 75% Capacity: 48 pF/m Foil: AL2/2 su singola coppia 100 % Braid: CuSn > 40 %											
											
4 x 2 x AWG 23 U/UTP LSZH Cat.6A AUGMENTED - Thermoplastic LSZH Yellow											
	B500	6	CU 0,6mm 70 Ohm/km	7,2	ISO/IEC 11801 Ed.C1 EN 50173-1 Ed.3 ANSI/TIA/EIA 568-B IEC 754-1 EN50267-1 IEC 60332-1	10	5,9	60,3	58,3		25,0
						20	8,4	57,0	53,8		25,0
						31,2	10,5	52,9	50,9		23,6
						62,5	15,0	48,4	46,4		21,5
						100	19,1	45,3	43,3		20,1
						200	27,6	40,8	38,8		18,0
						250	31,1	39,3	37,3		17,3
						300	34,3	38,1	36,1		17,3
						500	45,3	34,8	31,6		17,3
						625	51,2	33,4	29,3		17,3
Imped.: 100 ± 15 Ohm Velocity Ratio: 64% Capacity: 56 pF/m											
											
4 x 2 x AWG 23 F/UTP LSZH Cat.6A AUGMENTED - Thermoplastic LSZH Violet											
	B305	50	CU 0,6mm 95 Ohm/km	7,2	ISO/IEC 11801 Ed. C1 EN 50173-1 Ed.3 ANSI/TIA/EIA 568-B IEC 754-1 EN50267-1 IEC 60332-1	10	5,9	60,3	58,3		25,0
						20	8,4	57,0	53,8		25,0
						31,2	10,5	52,9	50,9		23,6
						62,5	15,0	48,4	46,4		21,5
						100	19,1	45,3	43,3		20,1
						200	27,6	40,8	38,8		18,0
						250	31,1	39,3	37,3		17,3
						300	34,3	38,1	36,1		17,3
						500	45,3	34,8	31,6		17,3
						625	51,2	33,4	29,3		17,3
Imped.: 100 ± 15 Ohm Velocity Ratio: 67% Capacity: 56 pF/m Foil: AL/Pet 100 %											
											
4 x 2 x AWG 23 FTP Cat.6 LSZH Bonded Pairs - Thermoplastic LSZH Gray											
	B500	5,1	CU 0,6mm 70 Ohm/km	7,3	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1	1,7	80,0	74,0	70,0	30,0
						10	5,5	70,0	64,0	57,0	40,0
						20	7,6	66,0	61,0	49,0	44,0
						31,2	9,7	63,0	54,0	45,0	44,0
						62,5	13,8	58,0	53,0	39,0	34,0
						100	17,7	55,0	50,0	35,0	30,0
						155	22,4	51,0	47,0	31,0	25,0
						200	25,1	49,0	46,0	29,0	24,0
						250	28,2	45,0	43,0	27,0	24,0
						Imped.: 100 ± 5 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: Al/Pet 100 %					
											
4 x 2 x AWG 23 UTP Cat.6 LSZH - Thermoplastic LSZH Gray											
	B305 B500 B1000	3,7	CU 0,6mm 60 Ohm/km	5,7	ISO/IEC 11801 E2 EIA/TIA 568 B.2-1 EN 50173-1 E1 IEC 332-1 IEC 61034-1/2 IEC 60754-1/2	1	2,1	75,0	72,3	72,3	20,0
						10	6,0	60,3	57,3	57,3	25,0
						20	8,5	55,8	52,8	58,2	25,0
						31,2	10,7	52,9	49,9	49,9	23,6
						62,5	15,5	48,4	45,4	45,4	21,5
						100	19,9	45,3	42,3	42,3	20,1
						155	25,3	42,4	39,4	39,4	18,8
						200	29,1	40,8	37,8	37,8	18,0
						250	33,0	39,3	36,3	36,3	17,3
						Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 56 pF/m					
											
4 x 2 x AWG 23 UTP Cat.6 - PVC fire retardant Gray											
	B305 B500 B1000	3,7	CU 0,6mm 60 Ohm/km	5,7	ISO/IEC 11801 E2 EIA/TIA 568 B.2-1 EN 50173-1 E1 IEC 332-1	1	2,1	75,0	72,3	72,3	20,0
						10	6,0	60,3	57,3	57,3	25,0
						20	8,5	55,8	52,8	58,2	25,0
						31,2	10,7	52,9	49,9	49,9	23,6
						62,5	15,5	48,4	45,4	45,4	21,5
						100	19,9	45,3	42,3	42,3	20,1
						155	25,3	42,4	39,4	39,4	18,8
						200	29,1	40,8	37,8	37,8	18,0
						250	33,0	39,3	36,3	36,3	17,3
						Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 56 pF/m					
											

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

LAN cables (Cat. 5, 5e, 6, 6a, 7)

Structured wiring for telephone, data, video transmission, implementation of 10-Base-T, 100 Base-T, and 1000-Base-T (Gigabit Ethernet) LAN networks.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEffext db	RL db					
4 x 2 x AWG 23 UTP Cat.6 PE - PE Black																
7965PE 	M100	3,7	CU 0,6mm	6,1	ISO/IEC 11801 E2 EIA/TIA 568 B.2-1 EN 50173-1 E1	1	2,1	75,0	72,3	72,3	20,0					
	B500					10	6,0	60,3	57,3	57,3	25,0					
	B1000					20	8,5	55,8	52,8	58,2	25,0					
						31,2	10,7	52,9	49,9	49,9	23,6					
						62,5	15,5	48,4	45,4	45,4	21,5					
						100	19,9	45,3	42,3	42,3	20,1					
						155	25,3	42,4	39,4	39,4	18,8					
						200	29,1	40,8	37,8	37,8	18,0					
						250	33,0	39,3	36,3	36,3	17,3					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 56 pF/m									
4 x 2 x AWG 24 UTP Cat.5E ENHANCED - PVC fire retardant Gray																
1583E 	M100	2,8	CU 0,51mm	5,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1	1	1,9	73,0	71,0	71,0	33,0					
	MB305					4	3,9	64,0	62,0	59,0	34,0					
	B500					10	6,2	58,0	56,0	51,0	42,0					
	B1000					16	7,9	55,0	53,0	46,0	42,0					
						20	8,9	54,0	52,0	43,0	41,0					
						31,2	11,2	51,0	49,0	39,0	35,0					
						62,5	16,0	47,0	45,0	33,0	32,0					
						100	19,8	44,0	42,0	28,0	29,0					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m									
	4 x 2 x AWG 24 UTP Cat.5E ENHANCED PE - PE Nero anti UV															
1583EPE 	M100	2,8	CU 0,51mm	5,1	ISO/IEC 11801 D EIA/TIA 568-B2-1 EN 50173-1	1	1,9	73,0	71,0	71,0	33,0					
	B250					4	3,9	64,0	62,0	59,0	34,0					
	B500					10	6,2	58,0	56,0	51,0	42,0					
						16	7,9	55,0	53,0	46,0	42,0					
						20	8,9	54,0	52,0	43,0	41,0					
						31,2	11,2	51,0	49,0	39,0	35,0					
						62,5	16,0	47,0	45,0	33,0	32,0					
						100	19,8	44,0	42,0	28,0	29,0					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m									
	4 x 2 x AWG 24 UTP LSZH Cat.5E ENHANCED - LSZH Gray															
1583ENH 	MB305	2,8	CU 0,51mm	5,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1	1,9	73,0	71,0	71,0	33,0					
						4	3,9	64,0	62,0	59,0	34,0					
						10	6,2	58,0	56,0	51,0	42,0					
						16	7,9	55,0	53,0	46,0	42,0					
						20	8,9	54,0	52,0	43,0	41,0					
						31,2	11,2	51,0	49,0	39,0	35,0					
						62,5	16,0	47,0	45,0	33,0	32,0					
						100	19,8	44,0	42,0	28,0	29,0					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m									
	4 x 2 x AWG 24 FTP Cat.5E ENHANCED - PVC fire retardant Gray															
1633E 	M100	4,3	CU 0,51mm	6,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173-1	1	2,0	70,0	68,0	73,0	33,0					
	MB305					4	3,8	62,0	60,0	61,0	34,0					
	B500					10	6,0	57,0	55,0	53,0	42,0					
	B1000					16	7,6	54,0	52,0	47,0	42,0					
						20	8,5	52,0	50,0	45,0	41,0					
						31,2	10,8	49,0	47,0	41,0	35,0					
						62,5	15,0	45,0	43,0	37,0	32,0					
						100	19,3	43,0	41,0	33,0	29,0					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: AL/Pet 100 %									
	4 x 2 x AWG 24 FTP Cat.5E ENHANCED PE - PE Black															
1633PE 	M100	4	CU 0,51mm	6,3	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1	1	2,0	70,0	68,0	73,0	33,0					
	MB305					4	3,8	62,0	60,0	61,0	34,0					
	B500					10	6,0	57,0	55,0	53,0	42,0					
	B1000					16	7,6	54,0	52,0	47,0	42,0					
						20	8,5	52,0	50,0	45,0	41,0					
						31,2	10,8	49,0	47,0	41,0	35,0					
						62,5	15,0	45,0	43,0	37,0	32,0					
						100	19,3	43,0	41,0	33,0	29,0					
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: AL/Pet 100 %									

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

LAN cables (Cat. 5, 5e, 6, 6a, 7)

Structured wiring for telephone, data, video transmission, implementation of 10-Base-T, 100 Base-T, and 1000-Base-T (Gigabit Ethernet) LAN networks.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEIext db	RL db
4 x 2 x AWG 24 FTP LSZH Cat.5E ENHANCED - Thermoplastic LSZH Gray											
1633ENH	MB305	4,3	CU 0,51mm	6,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1 4 10 16 20 31,2 62,5 100	2,0 3,8 6,0 7,6 8,5 10,8 15,0 19,3	70,0 62,0 57,0 54,0 52,0 49,0 45,0 43,0	68,0 60,0 55,0 52,0 50,0 47,0 43,0 41,0	73,0 61,0 53,0 47,0 45,0 41,0 37,0 33,0	33,0 34,0 42,0 42,0 41,0 35,0 32,0 29,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: AL/Pet 100 %											
											
											
4 x 2 x AWG 24 S(FTP) Cat.5E ENHANCED - PVC fire retardant Gray											
1633ES	B500	4,5	CU 0,51mm	6,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1	1 4 10 16 20 31,2 62,5 100	2,0 4,0 6,2 7,9 8,9 11,3 16,4 21,2	72,0 62,0 56,0 53,0 51,0 48,0 43,0 41,0	65,0 57,0 50,0 47,0 45,0 43,0 38,0 35,0	64,3 52,2 44,3 41,5 38,2 34,4 28,3 24,3	20,0 23,0 25,0 25,0 25,0 23,3 20,7 19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 % Braid: CuSn 65 % Screening Efficiency: > 85 dB											
											
											
4 x 2 x AWG 24 S(FTP) LSZH Cat.5E ENHANCED - LSZH Gray											
1633ENS	MB305 B500	4,7	CU 0,51mm	6,3	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1 4 10 16 20 31,2 62,5 100	2,0 4,0 6,2 7,9 8,9 11,3 16,4 21,2	72,0 62,0 56,0 53,0 51,0 48,0 43,0 41,0	65,0 57,0 50,0 47,0 45,0 43,0 38,0 35,0	64,3 52,2 44,3 41,5 38,2 34,4 28,3 24,3	20,0 23,0 25,0 25,0 25,0 23,3 20,7 19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 % Braid: CuSn 65 % Screening Efficiency: > 85 dB											
											
											
4 x 2 x AWG 24 UTP PATCH FLEX Cat.5 - PVC fire retardant Gray											
44U7YGR	M100 B300 B1000	3,6	CU 7x0,2mm 79 Ohm/km	5,7	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1 4 10 16 20 31,2 62,5 100	2,0 4,3 7,1 9,2 10,3 13,2 19,3 25,0	83,0 73,0 65,0 63,0 59,0 56,0 53,0 51,0			20,0 23,0 25,0 25,0 25,0 23,3 20,7 19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m											
											
											
4 x 2 x AWG 24 FTP FLEX Cat.5 - PVC fire retardant Gray											
44F7YGR	Su richiesta	4,6	CU 7x0,2mm 79 Ohm/km	6,0	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1 4 10 16 20 31,2 62,5 100	2,0 3,6 6,5 8,2 9,1 11,6 16,5 21,1	83,0 73,0 65,0 63,0 59,0 56,0 53,0 51,0			20,0 23,0 25,0 25,0 25,0 23,3 20,7 19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 %											
											
											
4 x 2 x AWG 24 S(FTP) FLEX - PVC fire retardant Gray - Insulation C-4 (U0=400V)											
44S7YGR	M100 B300 B500 B1000	5	CU 7x0,20mm 79 Ohm/km	6,5	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1 4 10 16 20 31,2 62,5 100	2,12 3,7 6,5 8,1 9,0 11,6 16,5 20,9	83,0 73,0 65,0 63,0 59,0 56,0 53,0 51,0			20,0 23,0 25,0 25,0 25,0 23,3 20,7 19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 % Braid: CuSn 65 %											
											
											

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

LAN cables (Cat. 5e,6,7) Double Jacket for outdoor & direct burial applications

Structured cabling for LAN Fast Ethernet (100 Base-T), Gigabit Ethernet (1000 Base-T), 10 Gigabit Ethernet (10GBase-T). Cables suitable for outdoor installation and humid and cohabitation with power cables 450/750V and 0.6/1KV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEfext db	RL db							
4 X 2 AWG 23 S/FTP Cat.7 Doppia guaina - Int. Jacket Thermoplastic LSZH Gray - Ext. PE Black UV res. - Insulation C-4 (U0=400V)																		
74SFDPN		B1000	7,4	CU 0,6mm	9,3	ISO / IEC 11801/2° ed. prEN 50173/2° ed. IEC 332.1 IEC 754-2 CEI UNEL 36762	1	1,9	100,0	98,0	95,0	26,0						
							10	5,4	100,0	90,0	95,0	35,0						
							20	7,6	100,0	98,0	87,0	35,0						
							31,2	9,6	100,0	98,0	84,0	34,0						
							62,5	13,6	100,0	98,0	80,0	32,0						
							100	17,4	95,0	93,0	76,0	31,0						
							155	21,7	95,0	93,0	72,0	29,0						
							250	28,0	95,0	93,0	67,0	29,0						
							600	43,5	90,0	88,0	60,0	28,0						
							1000	56,6	90,0	88,0	56,0	20,0						
Imped.: 100 ± 5 Ohm Velocity Ratio: 78% Capacity: < 56 pF/m Foil: AL2/2 su singola coppia 100 % Braid: CuSn > 30 %																		
																		
4 x 2 x AWG 23 FTP Cat.6 LSZH Bonded Pairs Double Jackets - Int. Jacket Thermoplastic LSZH Gray - Ext. PE Black - Insulation C-4 (U0=400V)																		
64F1DPN		B500	5,8	CU 0,6mm	9,2	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2 CEI UNEL 36762	1	1,7	80,0	74,0	70,0	30,0						
							10	5,5	70,0	64,0	57,0	40,0						
							20	7,6	66,0	61,0	49,0	44,0						
							31,2	9,7	63,0	54,0	45,0	44,0						
							62,5	13,8	58,0	53,0	39,0	34,0						
							100	17,7	55,0	50,0	35,0	30,0						
							155	22,4	51,0	47,0	31,0	25,0						
							200	25,1	49,0	46,0	29,0	24,0						
							250	28,2	45,0	43,0	27,0	24,0						
							Imped.: 100 ± 5 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: Al/Pet 100 %											
																		
4 x 2 x AWG 23 UTP Cat.6 LSZH Double Jackets - Int. Jacket Thermoplastic LSZH Gray - Ext. PE Black - Insulation C-4 (U0=400V)																		
6UNDHPN		B500	5,7	CU 0,6mm	7,4	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2 CEI UNEL 36762	1	1,7	76,0	74,0	70,0	33,0						
							10	5,6	66,0	64,0	57,0	44,0						
							20	8,0	63,0	61,0	49,0	40,0						
							31,2	10,1	56,0	54,0	45,0	38,0						
							62,5	14,4	55,0	53,0	39,0	36,0						
							100	18,6	52,0	50,0	35,0	31,0						
							155	23,6	49,0	47,0	31,0	27,0						
							200	27,0	48,0	46,0	29,0	25,0						
							250	30,7	45,0	43,0	27,0	24,0						
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m											
																		
4 x 2 x AWG24 FTP Cat.5E Double Jackets - Int. Jacket PVC fire retardant Gray - Ext. PE Black UV res. - Insulation C-4 (U0=400V)																		
44FEDPN		M100 B500 B1000	5,9	CU 0,52mm	7,9	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 CEI-UNEL 36762	1	2,0	70,0	68,0	73,0	33,0						
							4	3,8	62,0	60,0	61,0	34,0						
							10	6,0	57,0	55,0	53,0	42,0						
							16	7,6	54,0	52,0	47,0	42,0						
							20	8,5	52,0	50,0	45,0	41,0						
							31,2	10,8	49,0	47,0	41,0	35,0						
							62,5	15,0	45,0	43,0	37,0	32,0						
							100	19,3	43,0	41,0	33,0	29,0						
							Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m Foil: AL/Pet 100 %											
																		
4 x 2 x AWG 24 UTP Cat.5E Double Jackets - Int. Jacket PVC fire retardant Gray - Ext. PE Black UV res. - Insulation C-4 (U0=400V)																		
44UEDPN		M100 B500	4,9	CU 0,51mm	6,8	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332-1-2 CEI UNEL 36762	1	1,9	73,0	71,0	71,0	33,0						
							4	3,9	64,0	62,0	59,0	34,0						
							10	6,2	58,0	56,0	51,0	42,0						
							16	7,9	55,0	53,0	46,0	42,0						
							20	8,9	54,0	52,0	43,0	41,0						
							31,2	11,2	51,0	49,0	39,0	35,0						
							62,5	16,0	47,0	45,0	33,0	32,0						
							100	19,8	44,0	42,0	28,0	29,0						
							Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m											
																		

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Optical cables

How to find the right cable?

The part-number identifies: product name, fiber type and number of fibers.

Exemple: GUSN **1** **12**

	Fiber Type	Wave length (nm)	Attenuation (db/km)	Bandwidth (MHz*km)	Ethernet-Link Length (m)	
					1Gb	10Gb
1	Multi-mode 62,5/125 OM1	850 1300	2,7-3,2 0,6-1,1	>200 >600	275 550	33 /
2	Multi-mode 50/125 OM2	850 1300	2,3-2,8 0,6-0,9	>600 >1200	600 600	82 /
D	Multi-mode 50/125 OM3	850 1300	2,5-3,0 0,5-1,0	>1500 >500	900 550	300 /
E	Multi-mode 50/125 OM4	850 1300	2,5-3,0 0,5-1,0	>6000 >500	900 550	550 /
8	Single-mode 9/125 G652D	1310 1550	0,32-0,40 0,21-0,30	not for Ethernet		

Fibers N°

2 fibers

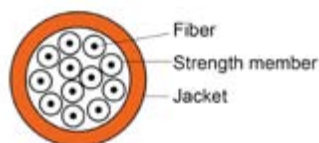
4 fibers

6 fibers

10 fibers

12 fibers

Mini-Breakout cable with LSZH jacket - B2ca-s1,d1,a1 e Cca-s1,d1,a1



Applications

Indoors – Vertical posts with one unique fiber destination.

Temperature rating

-30 / +70 °C

Strength members

Aramid Yarn

Fiber Diameter

0,9mm - 280±10 µm

Crush resistance

3 kN/m

Notes

CPR Reaction to fire EuroClass according to EN 50575:
B2ca-s1,d1,a1 e Cca-s1,d1,a1

Standards

IEC 60322-3-24
IEC 61034-2
IEC 60754-1/2

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext. Jacket	Traction N	Bending radius (stat./din.) mm
C GIMT104	4	Multi-mode 62,5/125 OM1	4,8	1,9	LSZH Orange	400	48/96
B2 GIMT106	6	Multi-mode 62,5/125 OM1	5,3	2,3	LSZH Orange	400	53/106
C GIMT108	8	Multi-mode 62,5/125 OM1	5,3	2,5	LSZH Orange	400	53/106
C GIMT112	12	Multi-mode 62,5/125 OM1	7,0	4	LSZH Orange	400	70/140
C GIMT116	16	Multi-mode 62,5/125 OM1	8,0	4,9	LSZH Orange	490	80/160
C GIMT124	24	Multi-mode 62,5/125 OM1	9,0	5,7	LSZH Orange	570	90/180
C GIMT204	4	Multi-mode 50/125 OM2	4,8	1,9	LSZH Orange	400	48/96
B2 GIMT206	6	Multi-mode 50/125 OM2	5,3	2,3	LSZH Orange	400	53/106
C GIMT208	8	Multi-mode 50/125 OM2	5,3	2,5	LSZH Orange	400	53/106
C GIMT212	12	Multi-mode 50/125 OM2	7,0	4	LSZH Orange	400	70/140
C GIMT216	16	Multi-mode 50/125 OM2	8,0	4,9	LSZH Orange	490	80/160
C GIMT224	24	Multi-mode 50/125 OM2	9,0	5,7	LSZH Orange	570	90/180
C GIMTD04	4	Multi-mode 50/125 OM3	4,8	1,9	LSZH Aqua	400	48/96
B2 GIMTD06	6	Multi-mode 50/125 OM3	5,3	2,3	LSZH Aqua	400	53/106
C GIMTD08	8	Multi-mode 50/125 OM3	5,3	2,5	LSZH Aqua	400	53/106
C GIMTD16	16	Multi-mode 50/125 OM3	8,0	4,9	LSZH Aqua	490	80/160
C GIMTD24	24	Multi-mode 50/125 OM3	9,0	5,7	LSZH Aqua	570	90/180
C GIMTE04	4	Multi-mode 50/125 OM4	4,8	1,9	LSZH Violet	400	48/96
B2 GIMTE06	6	Multi-mode 50/125 OM4	5,3	2,3	LSZH Violet	400	53/106
C GIMTE08	8	Multi-mode 50/125 OM4	5,3	2,5	LSZH Violet	400	53/106
C GIMTE12	12	Multi-mode 50/125 OM4	7,0	4	LSZH Violet	400	70/140
C GIMTA04	4	Single-mode SM 9/125	4,8	1,9	LSZH Yellow	400	48/96
B2 GIMTA06	6	Single-mode SM 9/125	5,3	2,3	LSZH Yellow	400	53/106
C GIMTA08	8	Single-mode SM 9/125	5,3	2,5	LSZH Yellow	400	53/106
C GIMTA12	12	Single-mode SM 9/125	7,0	4	LSZH Yellow	400	70/140

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Central Loose Tube (CLT) with LSZH jacket - Dca-s2,d1,a1



Applications

For campus backbones and paths indoors-outdoors.

Temperature rating

-30 / +70 °C

Strength members

rodent protected

Fiber Diameter

245±10 µm

Buffer Diameter

3,2 mm

Crush resistance

1 kN/m

Notes

CPR Reaction to fire EuroClass according to EN 50575: Dca-s2,d1,a1

Standards

IEC 60332-3C

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext.Jacket	Traction N	Bending radius (stat./din.) mm
GUSN104	4	Multi-mode 62,5/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN106	6	Multi-mode 62,5/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN108	8	Multi-mode 62,5/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN112	12	Multi-mode 62,5/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN116	16	Multi-mode 62,5/125	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSN124	24	Multi-mode 62,5/125	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSN204	4	Multi-mode 50/125 OM2	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN206	6	Multi-mode 50/125 OM2	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN208	8	Multi-mode 50/125 OM2	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN212	12	Multi-mode 50/125 OM2	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN216	16	Multi-mode 50/125 OM2	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSN224	24	Multi-mode 50/125 OM2	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSN804	4	Single-mode SM 9/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN806	6	Single-mode SM 9/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN808	8	Single-mode SM 9/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN812	12	Single-mode SM 9/125	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSN816	16	Single-mode SM 9/125	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSN824	24	Single-mode SM 9/125	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSND04	4	Multi-mode 50/125 OM3	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSND06	6	Multi-mode 50/125 OM3	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSND08	8	Multi-mode 50/125 OM3	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSND12	12	Multi-mode 50/125 OM3	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSND16	16	Multi-mode 50/125 OM3	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSND24	24	Multi-mode 50/125 OM3	6,0±0,2	7,2	LSZH Orange	1400	87/131
GUSNE04	4	Multi-mode 50/125 OM4	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSNE06	6	Multi-mode 50/125 OM4	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSNE08	8	Multi-mode 50/125 OM4	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSNE12	12	Multi-mode 50/125 OM4	6,0±0,2	3,7	LSZH Orange	700	58/87
GUSNE24	24	Multi-mode 50/125 OM4	6,0±0,2	7,2	LSZH Orange	1400	87/131

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Central Loose Tube (CLT) with PE jacket



Applications

For campus backbones and paths outdoors only.

Temperature rating

-30 / +70 °C

Strength members

rodent protected

Fiber Diameter

245±10 µm

Buffer Diameter

4 mm

Crush resistance

1,5 kN/m

Standards

IEC 60794-1-22-F1
IEC 60794-1-22-F5
IEC 60794-1-21-E11
IEC 60794-1-21-E6
IEC 60794-1-21-E1
IEC 60794-1-21-E3

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext. Jacket	Traction N	Bending radius (stat./din.) mm
GOSN104	4	Multi-mode 62,5/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN106	6	Multi-mode 62,5/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN108	8	Multi-mode 62,5/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN112	12	Multi-mode 62,5/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN116	16	Multi-mode 62,5/125	6,0±0,2	6,6	PE Black	1400	87/131
GOSN124	24	Multi-mode 62,5/125	8,7±0,5	6,6	PE Black	1400	87/131
GOSN204	4	Multi-mode 50/125 OM2	6,0±0,2	2,8	PE Black	700	58/87
GOSN206	6	Multi-mode 50/125 OM2	6,0±0,2	2,8	PE Black	700	58/87
GOSN208	8	Multi-mode 50/125 OM2	6,0±0,2	2,8	PE Black	700	58/87
GOSN212	12	Multi-mode 50/125 OM2	6,0±0,2	2,8	PE Black	700	58/87
GOSN216	16	Multi-mode 50/125 OM2	6,0±0,2	6,6	PE Black	1400	87/131
GOSN224	24	Multi-mode 50/125 OM2	6,0±0,2	6,6	PE Black	1400	87/131
GOSN804	4	Single-mode SM 9/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN806	6	Single-mode SM 9/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN808	8	Single-mode SM 9/125	6,0±0,2	2,8	PE Black	700	106/212
GOSN812	12	Single-mode SM 9/125	6,0±0,2	2,8	PE Black	700	58/87
GOSN816	16	Single-mode SM 9/125	6,0±0,2	6,6	PE Black	1400	87/131
GOSN824	24	Single-mode SM 9/125	6,0±0,2	6,6	PE Black	1400	87/131
GOSND04	4	Multi-mode 50/125 OM3	6,0±0,2	2,8	PE Black	700	58/87
GOSND06	6	Multi-mode 50/125 OM3	6,0±0,2	2,8	PE Black	700	58/87
GOSND08	8	Multi-mode 50/125 OM3	6,0±0,2	2,8	PE Black	700	58/87
GOSND12	12	Multi-mode 50/125 OM3	6,0±0,2	2,8	PE Black	700	58/87
GOSND24	24	Multi-mode 50/125 OM3	6,0±0,2	6,6	PE Black	1400	87/131
GOSNE04	4	Multi-mode 50/125 OM4	6,0±0,2	2,8	PE Black	700	58/87
GOSNE06	6	Multi-mode 50/125 OM4	6,0±0,2	2,8	PE Black	700	58/87
GOSNE08	8	Multi-mode 50/125 OM4	6,0±0,2	2,8	PE Black	700	58/87
GOSNE12	12	Multi-mode 50/125 OM4	6,0±0,2	2,8	PE Black	700	58/87
GOSNE24	24	Multi-mode 50/125 OM4	6,0±0,2	6,6	PE Black	1400	87/131

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

CLT Fiber - Armured & Fire resistant with LSZH jacket - Cca-s1,d1,a1**Applications**

For campus backbones where rodents are a serious issue. Easy to install in ducts, tunnels and trenches. Suitable for direct burial.

Temperature rating

-30 / +70 °C

Strength members

Aramid Yarn

Fiber Diameter

250±15 µm

Buffer Diameter

3,3 mm

Crush resistance

11 / 22 kN/m

Notes

Steel armoured

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1,d1,a1

Standards

IEC 60332-1 / 3-22
IEC 60331-25 E120
EN 50200 PH120
IEC 61034-2
IEC 60754-1/2

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext.Jacket	Traction N	Bending radius (stat./din.) mm
GUCN104	4	Multi-mode 62,5/125 OM1	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN106	6	Multi-mode 62,5/125 OM1	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN108	8	Multi-mode 62,5/125 OM1	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN112	12	Multi-mode 62,5/125 OM1	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN124	24	Multi-mode 62,5/125 OM1	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN204	4	Multi-mode 50/125 OM2	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN206	6	Multi-mode 50/125 OM2	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN208	8	Multi-mode 50/125 OM2	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN212	12	Multi-mode 50/125 OM2	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN224	24	Multi-mode 50/125 OM2	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND04	4	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND06	6	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND08	8	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND12	12	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND16	16	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCND24	24	Multi-mode 50/125 OM3	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCNE12	12	Multi-mode 50/125 OM4	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN804	4	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN806	6	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN808	8	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN812	12	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN816	16	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180
GUCN824	24	Single-mode SM 9/125	9,0/9,3	10,3	LSZH Black	2000	180/180

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

CLT Fiber - Armured & Fire resistant with LSZH jacket - Cca-s2,d1,a1



Applications

For campus backbones where rodents are a serious issue.

Temperature rating

-30 / +70 °C

Strength members

Steel armoured

Fiber Diameter

245±10 µm

Buffer Diameter

4 mm

Crush resistance

40 kN/m

Notes

CPR Reaction to fire EuroClass according to EN 50575: Cca-s2,d1,a1

Standards

IEC 60332-25
IEC 60331-25 E120
EN 50200 PH120
IEC 61034-2
IEC 60754-1/2

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext.Jacket	Traction N	Bending radius (stat./din.) mm
GUCCB104	4	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB106	6	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB108	8	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB112	12	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB124	24	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB204	4	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB206	6	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB208	8	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB212	12	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB216	16	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB224	24	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB804	4	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB806	6	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB808	8	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB812	12	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB816	16	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCB824	24	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBD04	4	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBD08	8	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBD12	12	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBD16	16	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBE04	4	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBE08	8	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBE12	12	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
GUCCBE16	16	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Central Loose Tube - Corrugated Steel Tube (CST) with PE jacket



Applications

For campus backbones where rodents are a serious issue.

Temperature rating

-30 / +70 °C

Strength members

Steel armoured

Fiber Diameter

245±10 µm

Buffer Diameter

4 mm

Crush resistance

40 kN/m

Standards

IEC 60794-1-22-F1
IEC 60794-1-22-F5
IEC 60794-1-21-E11
IEC 60794-1-21-E6
IEC 60794-1-21-E1
IEC 60794-1-21-E3

Packaging

B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext.Jacket	Traction N	Bending radius (stat./din.) mm
GOCB104	4	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB106	6	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB108	8	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB112	12	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB116	16	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB124	24	Multi-mode 62,5/125	10,6±0,3	10	PE Black	2000	106/212
GOCB204	4	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB206	6	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB208	8	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB212	12	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB216	16	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB224	24	Multi-mode 50/125 OM2	10,6±0,3	10	PE Black	2000	106/212
GOCB804	4	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCB806	6	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCB808	8	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCB812	12	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCB816	16	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCB824	24	Single-mode SM 9/125	10,6±0,3	10	PE Black	2000	106/212
GOCBD06	6	Multi-mode 50/125 OM3	10,6±0,3	10	PE Black	2000	106/212
GOCBD08	8	Multi-mode 50/125 OM3	10,6±0,3	10	PE Black	2000	106/212
GOCBD12	12	Multi-mode 50/125 OM3	10,6±0,3	10	PE Black	2000	106/212
GOCBD24	24	Multi-mode 50/125 OM3	10,6±0,3	10	PE Black	2000	106/212
GOCBE06	6	Multi-mode 50/125 OM4	10,6±0,3	10	PE Black	2000	106/212
GOCBE08	8	Multi-mode 50/125 OM4	10,6±0,3	10	PE Black	2000	106/212
GOCBE12	12	Multi-mode 50/125 OM4	10,6±0,3	10	PE Black	2000	106/212
GOCBE24	24	Multi-mode 50/125 OM4	10,6±0,3	10	PE Black	2000	106/212

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Fire Resistant cables

EN 50200 - UNI 9795:2013



EVAC cables FG29OM16 (EV type) and FG4OM1 (EF type) - Cca-s1b,d1,a1**Applications**

Unshielded Fire-Resistant cables for 30 minutes (EV type) and 120 minutes (EF type) for Voice Evacuation systems and Emergency Call systems. Halogen free, low emission of toxic fumes and gases and flame retardants. Suitable for indoor installations in public spaces, even in wet and outdoor (not for hard environments). Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Silicon G29 quality

Insulation resistance at 20°C

Min 500 MOhm/Km

External Jacket

Thermoplastic LSZH M16 Violet

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

Globally twisted.
Suitable for outdoor installation in conduit.

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

UNI 9795:2013
CEI EN 50200 PH30
CEI 20-105 V2
CEI EN60332-3-25
EN 50267-2-1
EN 50267-2-2
EN 61034-2
CEI-UNEL 36762

	Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
30 min	EV-25VH	CU 2x0,50 mm ² Red, Black	39	5,7	3,6	Mutual 100	M100 B500 1000
30 min	EV-45VH	CU 4x0,50 mm ² Red, Black , White, Blue	39	7,4	5,7	Mutual 100	M100 B500 1000
30 min	EV-27VH	CU 2x0,75 mm ² Red, Black	26	6,4	4,3	Mutual 110	M100 B500 1000
30 min	EV-47VH	CU 4x0,75 mm ² Red, Black , White, Blue	26	7,4	7,4	Mutual 110	M100 B500 1000
30 min	EV210VH	CU 2x1,00 mm ² Red, Black	19	6,2	5	Mutual 100	M100 B500 1000
30 min	EV410VH	CU 4x1,00 mm ² Red, Black , White, Blue	19	7,4	8,2	Mutual 120	M100 B500 1000
30 min	EV215VH	CU 2x1,50 mm ² Red, Black	12	7,4	6,5	Mutual 110	M100 B500 1000
30 min	EV415VH	CU 4x1,50 mm ² Red, Black , White, Blue	12	8,8	10,7	Mutual 130	M100 B500 1000
30 min	EV225VH	CU 2x2,50 mm ² Red, Black	8	8,5	9,2	Mutual 120	M100 B500 1000
30 min	EV425VH	CU 4x2,50 mm ² Red, Black , White, Blue	8	10,0	17	Mutual 140	M100 B500 1000
120 min	EF210VH	CU 2x1,00 mm ² Red, Black	19	6,6	5	Mutual 100	M100 B500 1000
120 min	EF215VH	CU 2x1,50 mm ² Black / Red	12	7,4	6,5	Mutual 110	M100 B500 B1000
120 min	EF225VH	CU 2x2,50 mm ² Red, Black	8	9,0	9,2	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Fire-Alarm cables FG29OHM16 (PH type) and FG4OHM1 (SF type) - Cca-s1b,d1,a1**Applications**

Shielded Fire-Resistant cables for 30 minutes (PH type) and 120 minutes (SF type). Cables for permanent laying Fire Alarm systems. Halogen free, low emission of toxic fumes and gases and flame retardants. Suitable for indoor installations in public spaces, even in wet and outdoor (not for hard environments). Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Silicon G29 quality

Insulation resistance at 20°C

Min 500 MOhm/Km

Shielding

Al/Pet 100 %

External Jacket

Thermoplastic LSZH M16 Red

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

Globally twisted.
Suitable for outdoor installation in conduit.

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

UNI 9795:2013
CEI EN 50200 PH30
CEI 20-105 V2
CEI EN60332-3-25
EN 50267-2-1
EN 50267-2-2
EN 61034-2
CEI-UNEL 36762

	Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
30 min	PH-25RZ	CU 2x0,50 mm ² Red, Black	39	5,7	4	Mutual 110	M100 B500 1000
30 min	PH-45RZ	CU 4x0,50 mm ² Red, Black , White, Blue	39	7,3	5	Mutual 110	M100 B500 1000
30 min	PH-27RZ	CU 2x0,75 mm ² Red, Black	26	6,4	6,2	Mutual 110	M100 B500 1000
30 min	PH-47RZ	CU 4x0,75 mm ² Red, Black , White, Blue	26	7,5	6,5	Mutual 110	M100 B500 1000
30 min	PH210RZ	CU 2x1,00 mm ² Red, Black	19	6,3	7	Mutual 120	M100 B500 1000
30 min	PH310RZ	CU 3x1,00 mm ² Red, Black , White	19	6,7	8,7	Mutual 130	M100 B500 1000
30 min	PH410RZ	CU 4x1,00 mm ² Red, Black , White, Blue	19	7,4	8,7	Mutual 130	M100 B500 1000
30 min	PH215RZ	CU 2x1,50 mm ² Red, Black	12	7,5	8,5	Mutual 130	M100 B500 1000
30 min	PH315RZ	CU 3x1,50 mm ² Red, Black , White	12	7,7	8,2	Mutual 130	M100 B500 1000
30 min	PH415RZ	CU 4x1,50 mm ² Red, Black , White, Blue	12	8,6	10,5	Mutual 130	M100 B500 1000
30 min	PH225RZ	CU 2x2,50 mm ² Red, Black	8	8,7	9,2	Mutual 160	M100 B500 1000
30 min	PH425RZ	CU 4x2,50 mm ² Red, Black , White, Blue	8	10,0	17,5	Mutual 160	M100 B500 1000
120 min	SF-25RZ	CU 2x0,50 mm ² Red, Black	39	5,8	5,8	Mutual 100	M100 B500 B1000
120 min	SF-27RZ	CU 2x0,75 mm ² Red, Black	26	6,4	6,2	Mutual 110	M100 B500 B1000
120 min	SF210RZ	CU 2x1,00 mm ² Red, Black	19	6,6	4,5	Mutual 130	M100 B500 B1000
120 min	SF410RZ	CU 4x1,00 mm ² Red, Black , White, Blue	19	7,9	10	Mutual 130	M100 B500 B1000
120 min	SF215RZ	CU 2x1,50 mm ² Red, Black	12	7,5	5	Mutual 140	M100 B500 B1000
120 min	SF315RZ	CU 3x1,50 mm ² Red, Black , White	12	7,7	8,3	Mutual 140	M100 B500 B1000
120 min	SF225RZ	CU 2x2,50 mm ² Red, Black	8	9,0	8,8	Mutual 140	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.



LEGEND:



Fire resistant 30 minutes



Fire resistant 120 minutes - SILICONE

Mica cables FTE40M1 (EM type) and FTE40HM1 (PM type) - Cca-s1b,d1,a1


120
min

Applications

Fire-resistant cables 120 minutes for Voice-evacuation systems (EM type) and Fire-alarm systems (PM type). Halogen free, low emission of toxic fumes and gases and flame retardants. Suitable for indoor installations in public spaces, even in wet and outdoor (not for hard environments). Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Mica tape+XLPE

Insulation resistance at 20°C

Min 500 MOhm/Km

External Jacket

Thermoplastic LSZH

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

Globally twisted.
Suitable for outdoor installation in conduit.

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

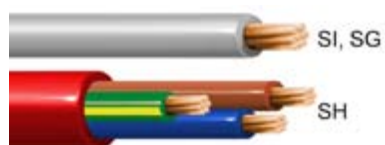
Standards

UNI 9795:2013
CEI EN 50200 PH120
CEI 20-105 V2
CEI-UNEL 36762
CEI EN60332-3-25
CEI 20-36/4-0
CEI EN 50267-2-1
CEI EN 50267-2-2
CEI EN 61034-2

Part Num.Conductor		Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
EM210VH	CU 2x 1,00 mm² Red, Black	18	8,8	8,5	Mutual 45	M100 B500 1000
EM215VH	CU 2x 1,50 mm² Red, Black	12	9,7	9,1	Mutual 50	M100 B500 1000
EM225VH	CU 2x 2,50 mm² Red, Black	8	11,2	12,4	Mutual 55	M100 B500 1000
PM210RZ	CU 2x 1,00 mm² Red, Black	12	8,8	9	Mutual 50	M100 B500 1000
PM215RZ	CU 2x 1,50 mm² Red, Black	12	9,8	11	Mutual 55	M100 B500 1000
PM225RZ	CU 2x 2,50 mm² Red, Black	8	11,3	13,6	Mutual 60	M100 B500 1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Silicon cables for high temperatures (SI, SG, SH type)



Applications

Cables resistant to high and low temperatures, heat and weathering.
Suitable for urban lighting, motors equipment and transformers of class H.

SI = Unshielded unipolar,
SG = Unipolar, braided fiberglass.
SH = Unshielded multipolar (red sheath).

Insulation

Silicone

Insulation resistance at 20°C

Min 200 MOhm/Km

Test Voltage

2,0 KV

Temperature rating

-60 / +180 °C

Standards

CEI 20-29 Cl. 5
IEC 60228 Cl. 5
CEI EN 50363-5

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
SI-05BI	CU 0,5mm ² White	39	2,1			M100
SI-07BI	CU 0,75mm ² White	26	2,4			M100
SI-10BI	CU 1,00mm ² White	19,5	2,5			M100
SI-15BI	CU 1,50mm ² White	13,3	2,8			M100
SI-25BI	CU 2,50mm ² White	7,9	3,4			M100
SG-05BI	CU 0,5mm ² White	39	2,3			M100
SG-07BI	CU 0,75mm ² White	26	2,6			M100
SG-10BI	CU 1,00mm ² White	19,5	2,7			M100
SG-15BI	CU 1,50mm ² White	13,3	3,0			M100
SG-25BI	CU 2,50mm ² White	7,9	3,6			M100
SH310RE	CUSn 3G1,00mm ² Blue, Brown, Yellow/Green	19,5	7,4			M100
SH315RE	CUSn 3G1,50mm ² Blue, Brown, Yellow/Green	13,3	8,0			M100
SH325RE	CUSn 3G2,50mm ² Blue, Brown, Yellow/Green	7,9	9,7			M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and Anti-Intrusion



Alarm and security cables TMH/M with LSZH sheath (IQ type) B2ca-s1a,d1,a1



Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: B2ca-s1a,d1,a1

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IQ-82BZ	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,7	Mutual 120	M100 B500 B1000
IQ102BZ	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	4,5	Mutual 120	M100 B500 B1000
IQ-05BZ	CU 2x0,5mm ² Red, Black	39	4,3	3,7	Mutual 120	M100 B500 B1000
IQ-45BZ	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	5,0	3,8	Mutual 120	M100 B500 B1000
IQ-65BZ	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,5	4,5	Mutual 120	M100 B500 B1000
IQ-85BZ	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	5,4	Mutual 120	M100 B500 B1000
IQ105BZ	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	5,8	Mutual 120	M100 B500 B1000
IQ405BZ	CU 4x0,5mm ² White, Brown, Green, Yellow	39	6,1	4,9	Mutual 120	M100 B500 B1000
IQ605BZ	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,4	5,1	Mutual 120	M100 B500 B1000
IQ-07BZ	CU 2x0,75mm ² Red, Black	26	5,0	3,5	Mutual 120	M100 B500 B1000
IQ-47BZ	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,2	4,3	Mutual 120	M100 B500 B1000
IQ-67BZ	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,1	Mutual 120	M100 B500 B1000
IQ-87BZ	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,4	Mutual 120	M100 B500 B1000
IQ107BZ	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 B1000
IQ127BZ	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	6,8	7,3	Mutual 120	M100 B500 B1000
IQ147BZ	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	7,3	8,4	Mutual 120	M100 B500 B1000
IQ475BZ	CU 4x0,75mm ² White, Brown, Green, Yellow	26	6,1	5,9	Mutual 120	M100 B500 B1000
IQ227BZ	CU 2x2x0,75mm ² White/Brown e Green/Yellow	26	7,2	6,8	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TMH/M with LSZH sheath (IQ type) B2ca-s1a,d1,a1

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IQ-21BZ	CU 2x 1mm ² Red, Black	19	6,0	5	Mutual 120	M100 B500 B1000
IQ-41BZ	CU 4x 1mm ² White, Brown, Green, Yellow	19	7,0	7,9	Mutual 120	M100 B500 B1000
IQ251BZ	CU 2x 1mm ² CU 2x 0,5mm ² Red, Black, White, Brown	19 39	6,1	6,2	Mutual 120	M100 B500 B1000
IQ221BZ	CU 2x 2x 1mm ² White/Brown e Green/Yellow	19	8,3	8,6	Mutual 120	M100 B500 B1000
IQ215BZ	CU 2x 1,5mm ² Red, Black	12	6,7	6,4	Mutual 120	M100 B500 B1000
IQ-2PBZ	CU 2x 1,5mm ² CU 2x 0,22mm ² Red, Black, White, Brown	12 89	6,5	6,5	Mutual 120	M100 B500 B1000
IQ225BZ	CU 2x 2,5mm ² Colori secondo DIN 47100	8	7,8	8,7	Mutual 120	M100 B500 B1000

Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH Gray

Voltage Withstanding

C-4 (U0=400V)

Certificates

IMQ 01S 9800074

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: B2ca-s1a,d1,a1

Standards

CEI 46-76 p.q.a.
CEI EN 60332-1-2
CEI EN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TMH/M with LSZH sheath (IK type) Cca-s1b,d1,a1



Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IK-82BZ	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,7	Mutual 120	M100 B500 B1000
IK102BZ	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	4,5	Mutual 120	M100 B500 B1000
IK-05BZ	CU 2x0,5mm ² Red, Black	39	4,3	3,7	Mutual 120	M100 B500 B1000
IK-45BZ	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	5,0	3,8	Mutual 120	M100 B500 B1000
IK-65BZ	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,5	4,5	Mutual 120	M100 B500 B1000
IK-85BZ	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	5,4	Mutual 120	M100 B500 B1000
IK105BZ	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	5,8	Mutual 120	M100 B500 B1000
IK405BZ	CU 4x0,5mm ² White, Brown, Green, Yellow	39	6,1	4,9	Mutual 120	M100 B500 B1000
IK605BZ	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,4	5,1	Mutual 120	M100 B500 B1000
IK-07BZ	CU 2x0,75mm ² Red, Black	26	5,0	3,5	Mutual 120	M100 B500 B1000
IK-47BZ	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,2	4,3	Mutual 120	M100 B500 B1000
IK-67BZ	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,1	Mutual 120	M100 B500 B1000
IK-87BZ	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,4	Mutual 120	M100 B500 B1000
IK107BZ	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 B1000
IK127BZ	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	6,8	7,3	Mutual 120	M100 B500 B1000
IK147BZ	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	7,3	8,4	Mutual 120	M100 B500 B1000
IK475BZ	CU 4x0,75mm ² White, Brown, Green, Yellow	26	6,1	5,9	Mutual 120	M100 B500 B1000
IK227BZ	CU 2x2x0,75mm ² White/Brown e Green/Yellow	26	7,2	6,8	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TMH/M with LSZH sheath (IK type) Cca-s1b,d1,a1

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IK-21BZ	CU 2x1mm ² Red, Black	19	6,0	5	Mutual 120	M100 B500 B1000
IK-41BZ	CU 4x1mm ² White, Brown, Green, Yellow	19	7,0	7,9	Mutual 120	M100 B500 B1000
IK251BZ	CU 2x1mm ² CU 2x0,5mm ² Red, Black, White, Brown	19 39	6,1	6,2	Mutual 120	M100 B500 B1000
IK221BZ	CU 2x2x1mm ² White/Brown e Green/Yellow	19	8,3	8,6	Mutual 120	M100 B500 B1000
IK215BZ	CU 2x1,5mm ² Red, Black	12	6,7	6,4	Mutual 120	M100 B500 B1000
IK-2PBZ	CU 2x1,5mm ² CU 2x0,22mm ² Red, Black, White, Brown	12 89	6,5	6,5	Mutual 120	M100 B500 B1000
IK225BZ	CU 2x2,5mm ² Colori secondo DIN 47100	8	7,8	8,7	Mutual 120	M100 B500 B1000

Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH Gray

Voltage Withstanding

C-4 (U0=400V)

Certificates

IMQ 01S 9800074

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

CEI 46-76 p.q.a.
CEI EN 60332-1-2
CEI EN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TRH/R (IC type) - Cca-s3,d1,a3



Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

PVC fire retardant White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s3,d1,a3

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IC-02BA	CU 2x0,22mm ² White, Brown	89	4,7	2,9	Mutual 120	M100 B500 B1000
IC-67BA	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,5	Mutual 120	M100 B500 B1000
IC-42BA	CU 4x0,22mm ² White, Brown, Green, Yellow	89	4,0	2,1	Mutual 120	M100 B500 B1000
IC-87BA	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	6,0	6,3	Mutual 120	M100 B500 B1000
IC-62BA	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	3,1	Mutual 120	M100 B500 B1000
IC-82BA	CU 8x0,22mm ² Colori secondo DIN 47100	89	4,9	5	Mutual 120	M100 B500 B1000
IC102BA	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	4,6	Mutual 120	M100 B500 B1000
IC-05BA	CU 2x0,5mm ² Red, Black	39	4,3	3	Mutual 120	M100 B500 B1000
IC-25BA	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	3	Mutual 120	M100 B500 B1000
IC-45BA	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,9	4	Mutual 120	M100 B500 B1000
IC-65BA	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,4	4,5	Mutual 120	M100 B500 B1000
IC-85BA	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	6	Mutual 120	M100 B500 B1000
IC105BA	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	5,4	Mutual 120	M100 B500 B1000
IC405BA	CU 4x0,5mm ² White, Brown, Green, Yellow	39	5,5	5	Mutual 110	M100 B500 B1000
IC605BA	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,3	6,1	Mutual 120	M100 B500 B1000
IC-07BA	CU 2x0,75mm ² Red, Black	26	4,6	3,1	Mutual 120	M100 B500 B1000
IC-27BA	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,7	Mutual 120	M100 B500 B1000
IC-47BA	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,1	4,6	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TRH/R (IC type) - Cca-s3,d1,a3

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IC107BA	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,8	7,5	Mutual 120	M100 B500 B1000
IC127BA	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	7,4	8,5	Mutual 120	M100 B500 B1000
IC475BA	CU 4x0,75mm ² White, Brown, Green, Yellow	26	6,1	6,3	Mutual 120	M100 B500 B1000
IC-21BA	CU 2x1mm ² Red, Black	19	5,9	5	Mutual 130	M100 B500 B1000
IC251BA	CU 2x1mm ² CU 2x0,5mm ² Red, Black, White, Brown	19 39	6,1	6,2	Mutual 120	M100 B500 B1000
IC-41BA	CU 4x1mm ² White, Brown, Green, Yellow	19	6,9	8,3	Mutual 120	M100 B500 B1000
IC215BA	CU 2x1,5mm ² Red, Black	12	6,7	6,3	Mutual 140	M100 B500 B1000
IC-2PBA	CU 2x1,5mm ² CU 2x0,22mm ² Red, Black, White, Brown	12 89	6,7	6,7	Mutual 150	M100 B500 B1000

Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

PVC fire retardant White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s3,d1,a3

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEI UNEL 367622

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TMH/M with LSZH sheath (IZ type) - Eca



Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762



Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IZ-02BZ	CU 2x0,22mm ² White, Brown	89	3,5	1,6	Mutual 120	M100 B500 B1000
IZ-42BZ	CU 4x0,22mm ² White, Brown, Green, Yellow	89	3,9	2,8	Mutual 120	M100 B500 B1000
IZ-62BZ	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	3,7	Mutual 120	M100 B500 B1000
IZ-82BZ	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,7	Mutual 120	M100 B500 B1000
IZ102BZ	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	3,7	Mutual 120	M100 B500 B1000
IZ-05BZ	CU 2x0,5mm ² Red, Black	39	4,3	3,7	Mutual 120	M100 B500 B1000
IZ-25BZ	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	3	Mutual 120	M100 B500 B1000
IZ-45BZ	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,9	3,8	Mutual 120	M100 MB300
IZ-65BZ	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,5	4,5	Mutual 120	M100 B500 B1000
IZ-85BZ	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	6,7	Mutual 120	M100 B500 B1000
IZ105BZ	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	7,5	Mutual 120	M100 B500 B1000
IZ405BZ	CU 4x0,5mm ² White, Brown, Green, Yellow	39	6,1	4,9	Mutual 120	M100 B500 B1000
IZ605BZ	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,4	5,1	Mutual 120	M100 B500 B1000
IZ-07BZ	CU 2x0,75mm ² Red, Black	26	5,3	3,5	Mutual 120	M100 B500 B1000
IZ-27BZ	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,7	Mutual 120	M100 B500 B1000
IZ-47BZ	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,2	4,3	Mutual 120	M100 B500 B1000
IZ47DPN	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	7,0	6	Mutual 120	B1000
IZ-67BZ	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	7,2	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TMH/M with LSZH sheath (IZ type) - Eca**Applications**

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Halogen free, low emission of toxic fumes and gases and flame retardants. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 46-76
CEI EN 60332-1-2
CEI EN 60332-3C
CEN 50267-2-1/2
CEI EN 61034-2
CEI UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IZ-87BZ	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	6,0	5,6	Mutual 120	M100 B500 B1000
IZ107BZ	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 B1000
IZ127BZ	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	6,8	8,5	Mutual 120	M100 B500 B1000
IZ147BZ	CU 2x0,75mm ² CU 14x0,22mm ² Red, Black, DIN 47100	26 89	7,3	9	Mutual 120	M100 B500 B1000
IZ475BZ	CU 4x0,75mm ² White, Brown, Green, Yellow	26	6,8	5,7	Mutual 120	M100 B500 B1000
IZ227BZ	CU 2x2x0,75mm ² White/Brown e Green/Yellow	26	7,2	6,8	Mutual 120	M100 B500 B1000
IZ-21BZ	CU 2x1mm ² Red, Black	19	5,9	5	Mutual 120	M100 MB300 B500 B1000
IZ-41BZ	CU 4x1mm ² White, Brown, Green, Yellow	19	7,0	7,9	Mutual 120	M100 B500 B1000
IZ251BZ	CU 2x1mm ² CU 2x0,5mm ² Red, Black, White, Brown	19 39	6,1	6,2	Mutual 120	M100 B500
IZ221BZ	CU 2x2x1mm ² White/Brown e Green/Yellow	19	8,3	8,6	Mutual 120	
IZ215BZ	CU 2x1,5mm ² Red, Black	12	6,7	6	Mutual 120	M100 B500 B1000
IZ-2PBZ	CU 2x1,5mm ² CU 2x0,22mm ² Red, Black, White, Brown	12 89	6,5	6,5	Mutual 120	M100 B1000
IZ225BZ	CU 2x2,5mm ² Colori secondo DIN 47100	8	7,8	8,7	Mutual 120	M100 B500 B1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TRH/R (FA type) - Eca



Applications

Alarm systems, anti-intrusion systems, smoke detection, fire detection and industrial monitoring. Cables for permanent laying, not suitable as power cables.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

PVC fire retardant White

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

5Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 46-76 p.q.a.
CEI EN 60332-1-2
CEI UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
FA-02BA	CU 2x0,22mm ² White, Brown	89	3,2	1,3	Mutual 120	M100 MB300
FA-04BA	CU 4x0,22mm ² White, Brown, Green, Yellow	89	4,0	2,1	Mutual 120	M100 MB300
FA-06BA	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	2,3	Mutual 120	M100 MB300
FA-08BA	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,5	Mutual 120	M100
FA-09BA	CU 2x0,5mm ² Red, Black,	39	4,2	2,5	Mutual 120	M100
FA-10BA	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	2,9	Mutual 120	M100 MB250
FA-12BA	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,8	3,6	Mutual 120	M100 MB250
FA-14BA	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,4	4,4	Mutual 120	M100 MB250
FA-15BA	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	6,0	5	Mutual 120	M100 MB250
FA-16BA	CU 2x0,75mm ² Red, Black,	26	4,6	3	Mutual 120	M100 MB250
FA-18BA	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,8	Mutual 120	M100 MB250
FA-20BA	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,1	4,3	Mutual 120	M100 MB250
FA-22BA	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,2	Mutual 120	M100 MB250
FA-24BA	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	5,8	7,8	Mutual 120	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables FM9OHM1 (FM type) - Eca**Applications**

Cables for burglar alarm systems, fire and smoke detection, in public places. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic M9 quality

Insulation resistance at 20°C

Min 500 MOhm/Km

Shielding

AL2 100 %

External Jacket

Thermoplastic LSZH M1 quality White

Temperature rating

-10 / +80 °C

Notes

Twisted pairs

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 46-76 p.q.a
CEI 20-11
EN 50265-2-1
EN 50267-2-1
EN 50267-2-2
EN 50268-2

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
FM-25BZ	CU 1x2x0,5mm ² CU 1x2x0,22mm ² Colori secondo CEI 46-76	39 89	5,6	3,5	Mutual 120	M100
FM-27BZ	CU 1x2x0,75mm ² CU 1x2x0,22mm ² Colori secondo CEI 46-76	26 89	5,6	4,3	Mutual 120	M100
FM-45BZ	CU 1x2x0,5mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	39 89	6,1	4,8	Mutual 120	M100
FM-47BZ	CU 1x2x0,75mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	26 89	6,3	5,5	Mutual 120	M100
FM-67BZ	CU 1x2x0,75mm ² CU 3x2x0,22mm ² Colori secondo CEI 46-76	26 89	7,0	6,4	Mutual 120	M100
FM-87BZ	CU 1x2x0,75mm ² CU 4x2x0,22mm ² Colori secondo CEI 46-76	26 89	7,3	7,2	Mutual 120	M100
FM27DPN	CU 1x2x0,75mm ² CU 2x0,22mm ² Colori secondo CEI 46-76	26 89	8,3	6,2	Mutual 120	M100
FM47DPN	CU 1x2x0,75mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	26 89	8,3	7,2	Mutual 120	M100
FM67DPN	CU 1x2x0,75mm ² CU 3x2x0,22mm ² Colori secondo CEI 46-76	26 89	9,6	7,2	Mutual 120	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Alarm and security cables TRH /E (IP type) - Fca



Applications

Alarm systems, anti-intrusion systems and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %

External Jacket

PE Blue

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-40 / +80 °C

Notes

Suitable for outdoor installation in conduit.

CPR Reaction to fire EuroClass according to EN 50575: Fca

Standards

CEI 46-76
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IP-02PB	CU 2x0,22 mm ² White, Brown	89	3,3	2,4	Mutual 120	M100 B500 1000
IP-42PB	CU 4x0,22 mm ² White, Brown, Green, Yellow	89	3,7	3,5	Mutual 120	M100 B500 1000
IP-62PB	CU 6x0,22 mm ² Colori secondo DIN 47100	89	4,5	2,7	Mutual 120	M100 B500 1000
IP-82PB	CU 8x0,22 mm ² Colori secondo DIN 47100	89	5,0	5,1	Mutual 120	M100 B500 1000
IP102PB	CU 10x0,22 mm ² Colori secondo DIN 47100	89	5,4	5,2	Mutual 120	M100 B500 1000
IP-05PB	CU 2x0,50 mm ² Red, Black	39	4,3	2,1	Mutual 120	M100 B500 1000
IP-25PB	CU 2x0,50 mm ² CU 2x0,22 mm ² Red, Black, DIN 47100	39 89	4,3	4,4	Mutual 120	M100 B500 1000
IP-45PB	CU 2x0,50 mm ² CU 4x0,22 mm ² Red, Black, DIN 47100	39 89	4,9	3,5	Mutual 120	M100 B500 1000
IP-65PB	CU 2x0,50 mm ² CU 6x0,22 mm ² Red, Black, DIN 47100	39 89	5,5	6	Mutual 120	M100 B500 1000
IP-85PB	CU 2x0,50 mm ² CU 8x0,22 mm ² Red, Black, DIN 47100	39 89	5,8	6,6	Mutual 120	M100 B500 1000
IP105PB	CU 2x0,50 mm ² CU 10x0,22 mm ² Red, Black, DIN 47100	39 89	6,2	7,4	Mutual 120	M100 B500 1000
IP-07PB	CU 2x0,75 mm ² Red, Black	26	4,6	4,5	Mutual 120	M100 B500 1000
IP-27PB	CU 2x0,75 mm ² CU 2x0,22 mm ² Red, Black, DIN 47100	26 89	4,7	5,3	Mutual 120	M100 B500 1000
IP-47PB	CU 2x0,75 mm ² CU 4x0,22 mm ² Red, Black, DIN 47100	26 89	5,2	3,8	Mutual 120	M100 B500 1000
IP-67PB	CU 2x0,75 mm ² CU 6x0,22 mm ² Red, Black, DIN 47100	26 89	5,8	7,1	Mutual 120	M100 B500 1000
IP-87PB	CU 2x0,75 mm ² CU 8x0,22 mm ² Red, Black, DIN 47100	26 89	6,0	5,7	Mutual 120	M100 B500 1000
IP107PB	CU 2x0,75 mm ² CU 10x0,22 mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 1000
IP127PB	CU 2x0,75 mm ² CU 12x0,22 mm ² Red, Black, DIN 47100	26 89	6,8	8,4	Mutual 120	M100 B500 1000

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Video surveillance and CCTV camera cables



HD Video Surveillance and CCTV camera cables (DK type) Cca-s1b,d1,a1



Applications

Video surveillance systems, CCTV, video analog and digital HD-SDI and control, with tinned copper shield. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Maximum length for digital signals:

- 100m for DK40xx
- 200m for DK80xx

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

MOhm/Km

Shielding

AL2 100 %
CuSn 60 %

External Jacket

Thermoplastic LSZH Blue

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

EN 50117
EN 60332-1-2
EN 60754-1-2
EN 61034-2
CEI-UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
DK40GBH	CW 0,41mm CU 2x0,5mm ² Red, Black	320 39	4,8 x 7,7	5	53 ± 2	M100
DK40TBH	CW 0,41mm CU 2x0,5mm ² +2x0,22mm ² Red, Black, White, Green	320 39	7,5 x 5,3	5,5	53 ± 2	M100
DK40LBH	CW 0,41mm CU 2x0,75mm ² Red, Black	320 24	7,8 x 5,0	6	53 ± 2	M100
DK40UBH	CW 0,41mm CU 2x0,75mm ² +2x0,22mm ² Red, Black, White, Green	320 24	8,0 x 5,4	6,5	53 ± 2	M100
DK40NBH	CW 0,41mm CU 2x1,0mm ² Red, Black	320 19	9,2 x 5,4	6,7	53 ± 2	M100
DK40PBH	CW 0,41mm CU 2x1,5mm ² Red, Black	320 13	10,0 x 5,2	8	53 ± 2	M100
DK40QBH	CW 0,41mm CU 2x2,5mm ² Red, Black	320 8	11,0 x 7,5	10	53 ± 2	M100
DK80GBH	CU 0,80mm CU 2x0,5mm ² Red, Black	35 39	9,0 x 6,2	7,5	53 ± 2	M100
DK80LBH	CU 0,80mm CU 2x0,75mm ² Red, Black	35 24	9,4 x 6,4	8,5	53 ± 2	M100
DK80NBH	CU 0,80mm CU 2x1,0mm ² Red, Black	35 19	9,5 x 6,4	9,4	53 ± 2	M100
DK80PBH	CU 0,80mm CU 2x1,5mm ² Red, Black	35 13	11,4 x 6,5	9	53 ± 2	M100
DK80QBH	CU 0,80mm CU 2x2,5mm ² Red, Black	35 8	10,0	12,5	53 ± 2	Da definire

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

HD Video Surveillance and CCTV camera cables (DS type) - Eca



Applications

Video surveillance systems, CCTV, video analog and digital HD-SDI and control, with tinned copper shield. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Maximum length for digital signals:

- 100m for DS40xx
- 200m for DS80xx
- 300m for DS14xx

Insulation

PVC fire retardant

Insulation resistance at 20°C

MΩm/Km

Shielding

AL2 100 %
CuSn 60 %

External Jacket

Thermoplastic LSZH Blue

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

EN 50117
CEI 46-1
IEC 754-2
CEI-UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
DS40GBH	CW 0,41mm CU 2x0,5mm ² Red, Black	320 39	7,7 x 4,8	5	53 ± 2	M100
DS40TBH	CW 0,41mm CU 2x0,5mm ² +2x0,22mm ² Red, Black, White, Green	320 39	7,5 x 5,3	5,5	53 ± 2	M100
DS40LBH	CW 0,41mm CU 2x0,75mm ² Red, Black	320 24	7,8 x 5,0	6	53 ± 2	M100
DS40UBH	CW 0,41mm CU 2x0,75mm ² +2x0,22mm ² Red, Black, White, Green	320 24	8,0 x 5,4	6,5	53 ± 2	M100
DS40NBH	CW 0,41mm CU 2x1,0mm ² Red, Black	320 19	9,2 x 5,4	6,7	53 ± 2	M100
DS40PBH	CW 0,41mm CU 2x1,5mm ² Red, Black	320 13	10,0 x 5,2	8	53 ± 2	M100
DS40QBH	CW 0,41mm CU 2x2,5mm ² Red, Black	320 8	11,0 x 7,5	10	53 ± 2	M100
DS80GBH	CU 0,80mm CU 2x0,5mm ² Red, Black	35 39	9,0 x 6,2	7,5	53 ± 2	M100
DS80LBH	CU 0,80mm CU 2x0,75mm ² Red, Black	35 24	9,4 x 6,4	8,5	53 ± 2	M100
DS80NBH	CU 0,80mm CU 2x1,0mm ² Red, Black	35 19	9,5 x 6,4	9,4	53 ± 2	M100
DS80PBH	CU 0,80mm CU 2x1,5mm ² Red, Black	35 13	11,4 x 6,5	9	53 ± 2	M100
DS80QBH	CU 0,80mm CU 2x2,5mm ² Red, Black	35 8	10,0	13	53 ± 2	M100
DS-40BH	CW 0,41mm	320	3,3	1,2	53 ± 2	M100
DS40DPN	CW 0,41mm	320	4,7	1,5	53 ± 2	M100
DS-80BH	CU 0,80mm	35	5,0	2,5	53 ± 2	M100
DS80DPN	CU 0,80mm	35	6,4	3,8	53 ± 2	M100
DS140BH	CU 1,4mm	11,7	7,5	5,4	53 ± 2	M100
DS14DPN	CU 1,4mm	11,7	9,0	6,9	53 ± 2	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

HD Video Surveillance and CCTV camera cables (DV type) - Eca



Applications

Video surveillance systems, CCTV, video analog and digital HD-SDI and control, with Almelec shield. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Maximum length for digital signals:

- 70m for DV40xx
- 160m for DV80xx

Insulation

PVC fire retardant

Insulation resistance at 20°C

MΩm/Km

Shielding

AL2 100 %
Almelec 85 %

External Jacket

Thermoplastic LSZH Blue

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

EN 50117
CEI 46-1
IEC 754-2
CEI-UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
DV40GBH	CW 0,41mm CU 2x0,5mm ² Red, Black	320 39	7,7 x 4,8	5	53 ± 2	M100
DV40LBH	CW 0,41mm CU 2x0,75mm ² Red, Black,	320 24	7,8 x 5,0	6	53 ± 2	M100
DV40NBH	CW 0,41mm CU 2x1,0mm ² Red, Black,	320 19	9,2 x 5,4	6,7	53 ± 2	M100
DV-40BH	CW 0,41mm	320	3,3	1	53 ± 2	M100
DV-80BH	CU 0,80mm	35	5,0	2,2	53 ± 2	M100
DV80DPN	CU 0,80mm	35	6,4	3,8	53 ± 2	M100



REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

LAN Video Surveillance with supply - Eca

Security systems, video-control, CCTV with Ethernet connectivity.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Diameter mm	Standards	Freq. MHz	Atten. db/100m	Next db	PSNext db	PSEIfext db	RL db
4 x 2 x AWG 24 UTP Cat.5E ENHANCED + 2 x 1,0m m ² - Int. Jacket PVC fire retardant Gray - Ext. LSZH Blue - Insulation C-4 (U0=400V)											
44U-1BH		7,6	CU 0,51mm	10,3 x 6,6	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332-1	1	1,9	73,0	71,0	71,0	33,0
						4	3,9	64,0	62,0	59,0	34,0
						10	6,2	58,0	56,0	51,0	42,0
						16	7,9	55,0	53,0	46,0	42,0
						20	8,9	54,0	52,0	43,0	41,0
						31,2	11,2	51,0	49,0	39,0	35,0
						62,5	16,0	47,0	45,0	33,0	32,0
		Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m									
		100	19,8	44,0	42,0	28,0	29,0				
4 x 2 x AWG 24 UTP Cat.5E ENHANCED + 2 x 0,5m m ² - Int. Jacket PVC fire retardant Gray - Ext. LSZH Blue - Insulation C-4 (U0=400V)											
44U-5BH		6,3	CU 0,51mm	8,8 x 6,1	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332-1	1	1,9	73,0	71,0	71,0	33,0
						4	3,9	64,0	62,0	59,0	34,0
						10	6,2	58,0	56,0	51,0	42,0
						16	7,9	55,0	53,0	46,0	42,0
						20	8,9	54,0	52,0	43,0	41,0
						31,2	11,2	51,0	49,0	39,0	35,0
						62,5	16,0	47,0	45,0	33,0	32,0
		Imped.: 100 ± 15 Ohm Velocity Ratio: 70% Capacity: 50 pF/m									
		100	19,8	44,0	42,0	28,0	29,0				

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Video Surveillance and CCTV camera cables

Security systems, video-control, RGB, VGA, XGA, SXGA, UXGA, HDTV, LCD.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
CCS 36 + 2 x 0,50mm ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation C-4 (U0=400V)										
SA36CGR	M100	5,3	CW 0,41mm	PEGJ	AL2 100%	6,4	75 ± 5	85%	5	3,6
	B500			1,9	CuSn 72%				10	5,1
				26 Ohm/Km	50				11,4	
			320 Ohm/km						100	16,1
		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 28		EN 50117		Capacity 55 ± 3 pF/m				
		300-900MHz > 24		CEI 20-22 III						
		900-2150MHz > 20		CEI UNEL 36762						
CCS 36 + 2x0,50m m ² + 2x0,22mm ² - Int. Jacket PVC fire retardant White - Ext. Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
VZ552GZ	Su richiesta	6,1	CW 0,41mm	PEGJ	AL2 100%	6,6	75 ± 3	85%	5	3,6
				1,9	CuSn 72%				10	5,1
				26 Ohm/Km	50				11,4	
			320 Ohm/km						100	16,1
 		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 30		CEI 20-22 III		Capacity 53 ± 2				
		300-900MHz > 28		CEI 20-37/2/4/6/7		Mutual				
		900-2150MHz > 25		CEI UNEL 36762		120 pF/m				
CCS 36 + 2x0,50m m ² + 4x0,22mm ² - Int. Jacket PVC fire retardant White, Green - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
SA342BA	Su richiesta	6,0	CW 0,41mm	PEGJ	AL2 100%	6,7	75 ± 3	85%	5	3,6
				1,9	CuSn 72%				10	5,1
				26 Ohm/km	50				11,4	
			320 Ohm/km						100	16,1
		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 28		EN 50117		Capacity 53 ± 2				
		300-900MHz > 24		CEI 20-22 III		Mutual				
		900-2150MHz > 20		CEI UNEL 36762		120 pF/m				
CCS 36 + 2x1,00m m ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
SA361BI	Su richiesta	6,7	CW 0,41mm	PEGJ	AL2 100%	7,4	75 ± 3	85%	5	3,6
				1,9	CuSn 72%				10	5,1
				26 Ohm/Km	50				11,4	
			320 Ohm/km						100	16,1
		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 28		EN 50117		Capacity 53 ± 2				
		300-900MHz > 24		CEI 20-22 III		Mutual				
		900-2150MHz > 20		CEI UNEL 36762		120 pF/m				
2xCCS 36 + 2x0,50m m ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation C-4 (U0=400V)										
S236CGR	B500	7,6	CW 0,41mm	PEGJ	AL2 100%	8,1	75 ± 3	85%	5	3,6
				1,9	CuSn 72%				10	5,1
				26 Ohm/km	50				11,4	
			320 Ohm/km						100	16,1
		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 28		EN 50117		Capacity 53 ± 2				
		300-900MHz > 24		CEI 20-22 III		Mutual				
		900-2150MHz > 20		CEI UNEL 36762		120 pF/m				
CCS36 + 2x1,00m m ² + 4x0,50m m ² - compatible URMET - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation										
VC636GR	Su richiesta	10	CW 0,41mm	PEGJ	AL2 100%	9,0	75 ± 3	85%	5	3,6
				1,9	CuSn 72%				10	5,1
				26 Ohm/Km	50				11,4	
			320 Ohm/km						100	16,1
		RL (dB)		Standards		Screening Efficiency > 85 db				
		100-300MHz > 28		CEI 20-22 III		Capacity 53 ± 2				
		300-900MHz > 26		CEI UNEL 36762		Mutual				
						120 pF/m				

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Video Surveillance and CCTV camera cables

Security systems, video-control, RGB, VGA, XGA, SXGA, UXGA, HDTV, LCD.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
Mini Coax 50 ohm + 2 x 1,0mm ² - Int. Jacket PVC AF Bianco - Ext. PVC AF Bianco										
VC121BA		6,2	CU 0,50mm 87 Ohm/km	PE 1,54	CU 75% 32 Ohm/Km	6,8	50 ± 3	66%	5 10 50 100	5,8 8,3 18,5 26,1
		RL (dB) 100-300MHz > 28 300-900MHz > 24 900-2150MHz > 20		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 80 db Capacity 99 ± 3 pF/m				
										
MINI RG-59 + 1x2x0,50mm ² - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
MI595NE	B500 B1000	4,6	CU 0,45mm 106 Ohm/km	PPE 2,15	CU 95% 13 Ohm/Km	7,7x5,0	75 ± 2	80%	1 5 10 50 200 400 700 1000	1,4 2,9 4,2 9,8 19,6 28,2 38,1 47,5
		RL (dB) 100-300MHz > 30 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 50 db Capacity 55 ± 2 pF/m				
										
MINI RG-59 + 2x1,0mm ² - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
MI592NE	B500 B1000	5,6	CU 0,45mm 106 Ohm/km	PPE 2,15	CU 95% 13 Ohm/Km	7,8x6,0	75 ± 2	80%	1 5 10 50 200 400 700 1000	1,4 2,9 4,2 9,8 19,6 28,2 38,1 47,5
		RL (dB) 100-300MHz > 30 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 50 db Capacity 55 ± 2 pF/m				
										
MINI RG-59 + 2x0,75mm ² - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
MI597NE	B500 B1000	5	CU 0,45mm 106 Ohm/km	PPE 2,15	CU 95% 13 Ohm/Km	7,9x6,0	75 ± 2	80%	1 5 10 50 200 400 700 1000	1,4 2,9 4,2 9,8 19,6 28,2 38,1 47,5
		RL (dB) 100-300MHz > 30 300-900MHz > 30		Standards CEI 46-1 CEI UNEL 36762		Screening Efficiency > 50 db Capacity 55 ± 2 pF/m				
										
TY59T + 2x0,75mm ² - PVC AF Grigio - Insulation C-4 (U0=400V)										
T9F7WGR	B500 B1000	9	CW 0,58mm 160 Ohm/km	PE 3,7	CU 55% 28 Ohm/Km	5,8x13,4	75 ± 3	66%	50 230 470 860 1000	8,1 18,9 27,2 37,0 39,3
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 45 db Capacity 67 ± 2 pF/m		Connectors ACBAB		
										
RG 59 B/U + 2x0,50mm ² - Int. Jacket PVC fire retardant Black - Ext. PVC fire retardant Black - Insulation C-4 (U0=400V)										
TY595NE	Su richiesta	9,5	CW 0,58mm 160 Ohm/km	PE 3,7	CU 80% 14 Ohm/Km	7,5x10,5	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors ACBAB		
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Video Surveillance and CCTV camera cables

Security systems, video-control, RGB, VGA, XGA, SXGA, UXGA, HDTV, LCD.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
RG 59 B/U + 2x0,50mm ² LSZH - Int. Jacket PE Neutral - Ext. Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
ZY595GZ	Su richiesta	7	CW 0,58mm 160 Ohm/km	PE 3,7	CU 80% 14 Ohm/Km	7,0x9,5	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22 III CEI 20-37/2/4/6/7 CEI UNEL 36762		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors ACBAB		
 										
RG 59 B/U + 2x0,75mm ² - Int. Jacket PE Neutral - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
TY597BI	M100 B500 B1000	7	CW 0,58mm 160 Ohm/km	PE 3,7	CU 80% 14 Ohm/Km	6,6x9,8	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors BNC Type: ACBAB		
										
RG 59 B/U + 2x1,0mm ² + 1x2xAWG24 FTP - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
TY59WNE°	On request	9,4	CW 0,58mm 160 Ohm/km	PE 3,7	Al2 100% CU 80% 14 Ohm/Km	9,0x10,2	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 46-1 CEI UNEL 36762		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors BNC Type: ACBAB		
										
RG 59 B/U + 2x1,00mm ² - Int. Jacket PE Neutral - Ext. PVC fire retardant Black - Insulation C-4 (U0=400V)										
TY592NE	M100 B500 B1000	10	CW 0,58mm 160 Ohm/km	PE 3,7	CU 80% 18 Ohm/Km	8,5x12,0	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
		RL (dB) 100-300MHz > 35 300-900MHz > 30		Standards CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors ACBAB		
										
Coax 0,6 / 3,7 - PVC Green - Insulation C-4 (U0=400V)										
TV637VE°	On request	4,4	CU 0,60mm 60 Ohm/km	PE 3,7	CU 68% 19 Ohm/Km	6,0	75 ± 2	66%	1 5 7 10 50 100	1,0 2,3 2,7 3,3 7,6 10,9
		RL (dB) 30-300MHz >33		Standards CEI 20-22.III CEI 46-1 CEI UNEL 36762		Screening Efficiency > 45 db Capacity 67 pF/m				
										
Coax 0,6L / 3,7 FLEX - PVC Green fire retardant - Insulation C-4 (U0=400V)										
TV63FVE°	On request	4,4	CU 7x0,20mm 78 Ohm/km	PE 3,7	CU 68% 19 Ohm/Km	6,0	75 ± 2	66%	1 5 7 10 50 100	1,2 2,7 3,8 4,4 8,5 12,3
		RL (dB) 30-300MHz >30		Standards CEI 20-22.III CEI 46-1 CEI UNEL 36762		Screening Efficiency > 45 db Capacity 67 pF/m				
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Home Automation



Home Automation cables - KNX systems

Cables for Building Automation. Suitable for BUS control and intelligent lighting management of lighting, cooling, heating and electrical appliances.

Suitable for cohabitation with power cables 450/750V to 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
2x2x0,8mm BUS LSZH - KNX Certified 491/15004/18 - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC4BKVZ	B500 B1000	4,8	CU 0,8mm 34 Ohm/km		AL2 100%	6,0				
			Standards EN 60332-1-2 EN 60754-1-2 EN 61034-1/2 EN 50267-1-2-3 CEI UNEL 36762		Capacity Mutual 63 pF/m					
 										
2x2x0,8mm BUS LSZH - KNX Certified 491/15067/18 - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC4BZVZ	B500 B1000	4,6	CU 0,8mm 34 Ohm/km		AL2 100%	6,0				
			Standards EN 60332-1-2 EN 60754-1-2 EN 61034-1/2 EN 50267-1-2-3 CEI UNEL 36762		Capacity Mutual 65 pF/m					
 										
2 x 2 x 0,8mm BUS PVC - PVC fire retardant Green - Insulation C-4 (U0=400V)										
VC4BUVE	B500 B1000	3,9	CU 0,8mm 34 Ohm/km		AL2 100%	5,9				
			Standards EN 60332-1-2 CEI-UNEL 36762		Capacity Mutual 62 pF/m					
										
2 x 0,8mm BUS LSZH - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC2BKVZ	B500 B1000	3,4	CU 0,8mm 34 Ohm/km		AL2 100%	5,1				
			Standards EN 60332-1-2 EN 60754-1-2 EN 61034-1/2 EN 50267-1-2-3 CEI UNEL 36762		Capacity Mutual 50,5 pF/m					
 										
2 x 0,8mm BUS LSZH - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC2BZVZ	B500 B1000	2,6	CU 0,8mm 34 Ohm/km		AL2 100%	4,5				
			Standards EN 60332-1-2 EN 60754-1-2 EN 61034-1/2 EN 50267-1-2-3 CEI UNEL 36762		Capacity Mutual 51,1 pF/m					
										
2 x 0,8mm BUS PVC - PVC fire retardant Green - Insulation C-4 (U0=400V)										
VC2BUVE	B500 B1000	2,6	CU 0,8mm 34 Ohm/km		AL2 100%	4,5				
			Standards EN 60332-1-2 CEI-UNEL 36762		Capacity Mutual 53,2 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Home Automation cables

Cables for Building Automation. Suitable for BUS control and intelligent lighting management of lighting, cooling, heating and electrical appliances.

Support different transmission protocols. Suitable for cohabitation with power cables 450/750V to 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1 x 2 x AWG 24 FLEX UTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
14U7YGR	On request	1,3	CU 2x0.22mm ² 79 Ohm/km	PE 1,0		2,8	100 ± 15		1 4 10 16	2,6 5,5 8,9 12,8
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762		Capacity Mutual 45 pF/m					
										
2 x 2 x AWG 24 FLEX UTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24U7YGS	On request	2,6	CU 2x0.22mm ² 79 Ohm/km	PE 1,0		4,3	100 ± 15		1 4 10 16	2,7 5,6 9,0 13,1
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 45 pF/m					
										
2 x 2 x AWG 24 UTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24U1YGR	On request	2,8	CU 0,51mm 79 Ohm/km	PE 1,0		5,0	100 ± 15		1 4 10 16	2,0 5,1 8,9 12,1
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 45 pF/m					
										
1 x 2 x AWG 20 UTP Flex LSZH - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
20U7HBZ	On request	3,2	CU 2x0.5mm ² 39 Ohm/km	PE 1,7		5,0	100 ± 15		1 10 20 40	1,8 4,6 6,9 9,7
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 45 pF/m					
 										
1 x 2 x AWG 20 UTP Flex - PVC fire retardant White - Insulation C-4 (U0=400V)										
20U7YBA	On request	3	CU 2x0.5mm ² 39 Ohm/km	PE 1,7		5,3	100 ± 15		1 10 20 40	1,8 4,6 6,9 9,7
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 45 pF/m					
										
2x1,5mm ² + 3x2x0,35mm ² - PVC fire retardant Green - Insulation C-4 (U0=400V)										
VC8BUVE	On request	11	CU 2x1.5mm ² 12 Ohm/km			9,0				
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 120 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables



Serial BUS cables for CANBUS and MODBUS applications

Cables compliant with EIA RS-485 for CANBUS and MODBUS applications.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1 x 2 x AWG22 Flex S(FTP) RS485 CanBUS - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
12S7YGO	M100 B500	5	CuSn 7x0,25mm 50 Ohm/km	PEE 2,35	AL/Pet 100% CuSn 65%	7,0	120 ± 15	78%	1	1,65
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 36 pF/m					
 										
1 x 2 x AWG22 + 1 x AWG22 Flex S(FTP) RS485 CanBUS - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
15S7YGO	M100 B500	6,3	CuSn 7x0,25mm 50 Ohm/km	PEE 2,35	AL/Pet 100% CuSn 65%	7,8	120 ± 15	78%	1	1,65
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 36 pF/m					
 										
2 x 2 x AWG22 Flex S(FTP) RS485 CanBUS - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
22S7YGO	M100 B500	7	CuSn 7x0,25mm 50 Ohm/km	PEE 2,35	AL/Pet 100% CuSn 65%	8,6	120 ± 15	78%	1	1,65
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 36 pF/m					
 										
1 x 2 x AWG 24 Flex S(FTP) RS485 ModBus - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
14S7YGR	M100 B500 B1000	4	CU 7x0,20mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	5,5	120 ± 15	68%	1 4 10 16	2 3,8 6,4 9,0
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m					
 										
1 x 2 x AWG 24 Flex S(FTP) LSZH RS485 ModBus - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
14S7HGZ	M100 B500	4,2	CU 7x0,22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	5,7	120 ± 15	68%	1 4 10 16	2 3,8 6,4 9,0
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m					
 										
1 x 2 x AWG 24 S(FTP) Flex RS485 ModBus Double Jackets - Int. Jacket PVC fire retardant Gray - Ext. PE Black - Insulation C-4 (U0=400V)										
14S7DPN	M100 B500 B1000	5,4	CU 7x0,22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	7,0	120 ± 15	68%	1 4 10 16	2 3,8 6,4 9,0
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m					
 										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for CANBUS and MODBUS applications

Cables compliant with EIA RS-485 for CANBUS and MODBUS applications.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
2 x 2 x AWG 24 Flex S(FTP) LSZH RS485 ModBus - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
24S7HGZ	M100 B500	6	CU 7x0.22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	7,8	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
					Standards IEC 60332-1-2 IEC 754-2 IEC 61034-1/2 CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m			
										
2 x 2 xAWG 24 Flex S(FTP) RS485 ModBus - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24S7YGR	M100 B500 B1000	9	CU 7x0.20mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	8,4	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
					Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m			
										
3 x 2 x AWG 24 Flex S(FTP) RS485 ModBUS - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
34S7YGR	On request	5,5	CU 7x0.20mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	9,0	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
					Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 46 pF/m			
										
4 x 2 x AWG 24 Flex S(FTP) RS485 ModBUS - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
44S-YGR	On request	6	CU 7x0.20mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	9,9	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
					Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 46 pF/m			
										
2 x 2 x AWG 24 Flex S(FTP) RS485 ModBus D.G. - Int. Jacket PVC fire retardant Gray - Ext. PE UV-resistant Black - Insulation C-4 (U0=400V)										
24S7DPN	M100 B500 B1000	11	CU 7x0.22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	10,0	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
					Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Screening Efficiency > 85 db Capacity Mutual 43 pF/m			
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for RS232 - RS485 - RS422 systems

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.
Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
FI 2 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-02GO	M100 B500 B1000	2,2	CUSn 2x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	4,0	80 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-232		Capacity Mutual 100 pF/m					
 										
FI 4 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-42GO	On request	3	CUSn 4x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	5,3	80 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-232		Capacity Mutual 105 pF/m					
 										
FI 6 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-62GO	On request	3,4	CUSn 6x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	5,0	80 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-232		Capacity Mutual 105 pF/m					
 										
FI 8 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-82GO	On request	4,6	CUSn 8x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	5,8	80 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-232		Capacity Mutual 105 pF/m					
 										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for RS232 - RS485 - RS422 systems

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
2 X 2 x AWG 24 Flex FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24F7YGR	M100 B500 B1000	2,9	CU 7x 0,20mm 79 Ohm/km	PE 1,0	2x Al/Pet 100%	5,0	100 ± 15	68%	1 4 10 16	2,7 5,6 9,0 13,1
		Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS232/422			Screening Efficiency > 75 db Capacity Mutual 45 pF/m					
										
2 X 2 x AWG 24 Flex S(FTP) RS232/422 - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24SFYGR	On request	8	CUSn 7x 0,20mm 79 Ohm/km	PE 1,03	2x Al/Pet 100% CuSn 65% Al/Pet sul totale copertura 100%	5,8	100 ± 15	78%	1 4 10 16	2,7 5,6 9,0 13,1
		Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS232/422			Capacity Mutual 42 pF/m					
										
3 x 2 x AWG 24 Flex FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
34F7YGO	On request	4,1	CU 7x 0,22mm 79 Ohm/km	PVC 1,15	Al/Pet 100%	5,5	80 ± 15	68%		
		Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485			Capacity Mutual 100 pF/m					
										
6 x 2 x AWG 24 Flex FTP RS232 - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
64F7YGO	On request	6,7	CU 7x 0,20mm 79 Ohm/km	PVC 1,1	Al/Pet 100%	7,4	75 ± 10	60%		
		Standards IEC 60332-1 CEI-UNEL 36762 EIA RS-232			Capacity Mutual 90 pF/m					
										
2 x 2 x AWG 28 S(FTP) Flex - PVC fire retardant girgio - Insulation C-4 (U0=400V)										
28S7YGO	M100 B500 B1000	2	CuSn 7x 0,12mm 180 Ohm/km	PE 0,9	Al/Pet 100% CuSn 65%	5,2	120 ± 15			
		Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485			Capacity Mutual 37 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for PROFIBUS applications

Cables for PROFIBUS networks.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m		
1 x 2 x AWG 18 Flex FTP Profibus PA - PVC fire retardant Blue - Insulation C-4 (U0=400V)												
18F7YBL	M100	6,7	CuSn	PE 2,25	AL/Pet 100%	6,7	100 ± 15	68%	0,039	0,262		
	B500		7x0,40mm							4	2,1	
	B1000		19,2 Ohm/km							10	3,3	
									16	4,3		
									20	4,7		
			Standards	Screening Efficiency > 85 db				31,3	6,0			
			IEC 60332-1	Capacity Mutual 78 pF/m				62,5	8,5			
			CEI 20-22 III									
			CEI-UNEL 36762									
			EIA RS-485									
1 x 2 x AWG 18 Flex FTP LSZH Profibus PA - Termoplastico LSZH blu o arancione - Insulation C-4 (U0=400V)												
18F7HBH	Su richiesta	7,5	CuSn	PE 2,25	AL/Pet 100%	7,5	100 ± 15	68%	0,039	0,262		
			7x0,40mm							4	2,1	
			19,2 Ohm/km							10	3,3	
										16	4,3	
										20	4,7	
			Standards	Screening Efficiency > 85 db				31,3	6,0			
			IEC 60332-3C	Capacity Mutual 78 pF/m				62,5	8,5			
			IEC 754-1-2									
			IEC 61034									
			CEI-UNEL 36762									
1 x 2 x AWG 22 S(FTP) Profibus DP - PVC fire retardant Violet - Insulation C-4 (U0=400V)												
12S1YVI	M100	6,6	CU 0,65mm	PEE 2,5	AL/Pet 100%	8,0	150 ± 15	68%	1	0,3		
	B500			CuSn 65%						4	2,1	
	B1000		55 Ohm/km							10	3,3	
										16	4,3	
										20	4,7	
			Standards	Screening Efficiency > 85 db				31,3	6,0			
			IEC 60332-1	Capacity Mutual 30 pF/m				62,5	8,5			
			CEI 20-22 II									
			CEI-UNEL 36762									
			EIA RS-485									
1 x 2 x AWG 22 S(FTP) LSZH Profibus DP - Thermoplastic LSZH Gray o Viola - Insulation C-4 (U0=400V)												
12S1HVH	M100	6,1	CU 0,65mm	PEE 2,5	AL/Pet 100%	8,0	150 ± 15	68%	1	0,3		
	B500			CuSn 65%						4	2,1	
			55 Ohm/km							10	3,3	
										16	4,3	
										20	4,7	
			Standards	Screening Efficiency > 85 db				31,3	6,0			
			IEC 60332-3C	Capacity Mutual 30 pF/m				62,5	8,5			
			IEC 754-2									
			CEI-UNEL 36762									
			EIA RS-485									
FB 02YS(St+C)11Y 1x2xAWG22/19 Profibus DP - PUR LSZH Violet - Insulation C-4 (U0=400V)												
PRO-FUV	On request	8	CU	PEE	AL/Pet 100%	8,0	150 ± 15		1	0,4		
			19x0,14mm	2,5	CuSn 65%						4	2,3
			55 Ohm/km								10	3,5
											16	4,5
											20	5,0
			Standards	Capacity Mutual				31,3	6,3			
			IEC 332-1	30 pF/m				62,5	8,8			
			IEC 60754-1/2									
			EN 50170-2-3									
			EN 61034-1-2									
			CEI UNEL 36762									
1x2 AWG 22 S(FTP) Profibus - PVC fire retardant Violet - Insulation C-4 (U0=400V)												
PRO-HVH°	On request	6,7	CU 0,65mm	PEE 2,5	AL/Pet 100%	8,0	150 ± 15	68%	1	0,3		
			53 Ohm/km		CuSn 65%						4	2,1
											10	3,3
											16	4,3
											20	4,7
			RL (dB)	Standards	Screening Efficiency > 85 db				31,3	6,0		
			1-10 MHz >20	ISO/IEC 11801	Capacity Mutual				62,5	8,5		
			10-16 MHz >20	RS485	30 pF/m							
				IEC 332.1								
				CEI 20.22 III								

Serial BUS cables for PROFIBUS applications

Cables for PROFIBUS networks.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m	
1x2 AWG 22 S(FTP) Profibus DP - PVC oil-proof fire retardant Violet UV-resistant - Insulation C-4 (U0=400V)											
		On request	6,4	CU 0,65mm	PEE 2,5	AL/Pet 100%	8,0	150 ± 15	68%	1	0,3
				55 Ohm/km	Standards EN 50170-2-3 IEC 332-3-24 Cat.C IEC60881-2-1 (4H/70°C) CEI UNEL 36762	Screening Efficiency > 85 db Capacity Mutual 30 pF/m	4	2,1			
							10	3,3			
							16	4,3			
							20	4,7			
RL (dB)								31,3	6,0		
1-10 MHz		>20							62,5	8,5	
10-16 MHz		>20									
1x2 AWG 22 S(FTP) Profibus DP - Int. Jacket FRLS compound - Ext. PVC fire retardant Violet - Insulation C-4 (U0=400V)											
		On request	8,1	CU 0,65mm	PEE 2,5	AL/Pet 100%	8,1	150 ± 15	68%	1	0,3
				53 Ohm/km	Standards EN 50170-2-3 IEC 332-1 IEC 754-1/2 CEI 20.22 CEI UNEL 36762	Screening Efficiency > 85 db Capacity Mutual 30 pF/m	4	2,1			
							10	3,3			
							16	4,3			
							20	4,7			
								31,3	6,0		
								62,5	8,5		
02YSY(St)CY2Y 1x2xAWG 22/1 Profibus DP Double Jackets - Int. Jacket PVC AF Violet - Ext. PE Black - Insulation C-4 (U0=400V)											
		On request	10,8	CU 0,65mm	PEE 2,5	AL/Pet 100%	10,0	150 ± 15		1	0,3
				53 Ohm/km	Standards EN 50170-2-3 IEC 332-1-2 RS485 CEI UNEL 36762	Capacity Mutual 30 pF/m	4	2,1			
							10	3,3			
							16	4,3			
							20	4,7			
								31,3	6,0		
								62,5	8,5		
1x2 AWG 22 S(FTP) Profibus DP Double Jackets - Int. Jacket PVC fire retardant Violet - Ext. PE Black - Insulation C-4 (U0=400V)											
		On request	8,4	CU 0,65mm	PEE 2,5	AL/Pet 100%	10,0	150 ± 15	68%	1	0,3
				53 Ohm/km	Standards IEC 332-1 IEC 60754-1/2 EN 50170-2-3 EN 61034-1-2 CEI UNEL 36762	Screening Efficiency > 85 db Capacity Mutual 30 pF/m	4	2,1			
							10	3,3			
							16	4,3			
							20	4,7			
RL (dB)								31,3	6,0		
1-10 MHz		>20							62,5	8,5	
10-16 MHz		>20									
02Y(St)CY1x2xAWG 22/19 + 2x1,5 Profibus DP Flex - PVC fire retardant Violet UV-resistant - Insulation C-4 (U0=400V)											
		On request	14,7	CU 19x0,14mm	PEE 2,5	AL/Pet 100%	11,0	150 ± 15		1	0,4
				55 Ohm/km	Standards EN 50170-2-3 IEC 332-1-2 RS485 CEI UNEL 36762	Capacity Mutual 30 pF/m	4	2,3			
							10	3,5			
							16	4,5			
							20	5,0			
								31,3	6,3		
								62,5	8,8		

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for LONWORKS applications

Cables for LONWORKS applications.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1 x 2 x AWG 22 UTP LonWorks LSZH - Thermoplastic LSZH M1 quality White - Insulation C-4 (U0=400V)										
12U1HBZ	M100 B500	2	CU 0,65mm	PE 1,3		4,2	100 ± 15		1	1.5
									4	3.1
									10	4.9
									16	6.3
									20	6.9
			Standards		Capacity Mutual					
			IEC 60332-3C		40 pF/m					
			IEC 754-2							
			CEI-UNEL 36762							
1 x 2 x AWG 22 FTP LonWorks - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
12F1HBZ	M100 B500	2,7	CU 0,65mm	PE 1,4	AL/Pet 100%	4,2	100 ± 15		1	2.0
									4	3.6
									10	5.5
									16	7.0
									20	7.8
			Standards		Capacity Mutual					
			IEC 60332-3C		40 pF/m					
			IEC 754-2							
			CEI-UNEL 36762							
2 x 2 x AWG 22 UTP LonWorks LSZH - Thermoplastic LSZH M1 quality White - Insulation C-4 (U0=400V)										
22U1HBZ	On request	3,5	CU 0,65mm	PE 1,3		5,2	100 ± 15		1	1.5
									4	3.1
									10	4.9
									16	6.3
									20	6.9
			Standards		Capacity Mutual		40 pF/m			
			IEC 60332-3C							
			IEC 754-2							
			CEI-UNEL 36762							
2 x 2 x AWG 22 FTP LonWorks - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
22F1HBZ	M100 B500	3,8	CU 0,65mm	PE 1,3	AL/Pet 100%	6,4	100 ± 15		1	2.0
									4	3.6
									10	5.5
									16	7.0
									20	7.8
			Standards		Capacity Mutual					
			IEC 60332-3C		40 pF/m					
			IEC 754-2							
			CEI-UNEL 36762							

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for TWINAX applications

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1 x 2 x AWG20 Flex S(FTP) TWINAX - PVC fire retardant Blue - Insulation C-4 (U0=400V)										
10S7YBL	On request	3,6	CuSn 7x0,32mm 32 Ohm/km	PE 1,9	AL/Pet 100% CuSn 60%	5,4	78 ± 15	68%	1 10 100 400	1,9 6,8 24,5 52,5
										
		Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485			Screening Efficiency > 85 db Capacity Mutual 64 pF/m					
TWINAX 7362211 - PVC fire retardant Black - Insulation C-4 (U0=400V)										
COTW1NE	On request	8,1	CuSn 7x0,32mm 37 Ohm/km	PE/A 6,1	CuSn 86%	8,3	107 ± 7	62%	1 5 10 20 50 100	1 2,5 3,6 5,5 8,5 12,2
										
		Standards IBM Standards CEI UNEL 36762			Screening Efficiency > 55 db Capacity 54 pF/m		Connectors ACTAA ACTAB ACTAC ACTAD			
TWINAX 7362211 LSZH - Thermoplastic LSZH Black - Insulation C-4 (U0=400V)										
COTWHNZ	On request	8,2	CuSn 7x0,32mm 37 Ohm/km	PE/A 6,1	CuSn 86%	8,3	107 ± 7	62%	1 5 10 20 50 100	1 2,5 3,6 5,5 8,5 12,2
										
		Standards IBM Standards CEI 20-37/2/4/6/7 CEI 20-22.III IEC 332.3C CEI UNEL 36762			Screening Efficiency > 55 db Capacity 54 pF/m		Connectors ACTAA ACTAB ACTAC ACTAD			

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for Industrial Automation

Cables for Profi, Field, Lon, Can, Mod, Inter - BUS.

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
1 x 2 x AWG 16 Flex FTP LSZH Interconn - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
16F7HGZ	M100 B500	7,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9	AL/Pet 100%	7,5	65 ± 15			
				Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m				
										
1 x 2 x AWG 16 Flex UTP LSZH Interconn - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
16U7HGZ	M100 B500 B1000	5,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9		7,5	65 ± 15			
				Standards IEC 60332-1 IEC 754-1-2 IEC 61034 CEI-UNEL 36762		Capacity Mutual 68 pF/m				
										
1 x 2 x AWG 16 Flex UTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
16U7YGO	M100 B500	5,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9		7,6	65 ± 15			
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762		Capacity Mutual 68 pF/m				
										
1 x 2 x AWG 16 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
16F7YGO	M100 B500	7,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9	AL/Pet 100%	7,6	65 ± 15			
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m				
										
1 x 2 x AWG 18 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
87F7YGO	On request	4,5	CuSn 7x0,40mm 20 Ohm/km	PE 2,2	AL/Pet 100%	6,0	57 ± 15			
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 80 pF/m				
										
1 x 2 x AWG 18 FLEX FTP Interconn LSZH - Thermoplastic LSZH grigio - Insulation C-4 (U0=400V)										
87F7HGZ	On request	4,5	CuSn 7x0,40 mm 20 Ohm/km	PE 2,2	AL/Pet 100%	6,2	57 ± 15			
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 80 pF/m				
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for Industrial Automation

Cables for Profi, Field, Lon, Can, Mod, Inter - BUS.

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
3x2xAWG18 FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
38FFYGR	On request	12,3	CuSn 7x0,40mm 19,2 Ohm/km	PE 2,3	3x AL/Pet 100% 10,1		50 ± 15	66%		
			Standards IEC 332.1 CEI 20.22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 90 pF/m					
										
6x2xAWG18 FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
68FFYGR	On request	25,5	CuSn 7x0,40mm 19,2 Ohm/km	PE 2,3	6x Al/PET 100% 13,5		50 ± 15	66%		
			Standards IEC 332.1 CEI 20.22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 90 pF/m					
										
1 X 2 AWG 20 FLEX FTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
10FFYGR	On request	4,4	CU 16x0,20mm 39 Ohm/km	PVC 1,57	Al/Pet 100%	4,7	48			
			Standards ISO/IEC 11801 IEC 332.1 CEI 20.22 III ITC Standards		Capacity Mutual 110 pF/m					
										
1 x 2 x AWG 20 Flex UTP LSZH Interconn - Termoplastico Gray - Insulation C-4 (U0=400V)										
10U7HGZ	On request	2,3	CuSn 7x0,32mm 32 Ohm/km	PE 1,9		5,0	56 ± 15			
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 80 pF/m					
 										
1 x 2 x AWG 20 Flex UTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
10U7YGO	On request	2,3	CuSn 7x0,32mm 32 Ohm/km	PE 1,9		5,0	56 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 80 pF/m					
										
1 x 2 x AWG 20 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
10F7YGO	M100 B500	3,2	CuSn 7x0,32mm 32 Ohm/km	PE 1,9	Al/Pet 100%	5,2	56 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 80 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for Industrial Automation

Cables for Profi, Field, Lon, Can, Mod, Inter - BUS.

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
2 X 2 AWG 20 FLEX FTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
20FFYGR	On request	5,6	CU 16x0,20mm 39 Ohm/km	PE 1,57	2x AL/Pet 100%	6,8	40			
			Standards ISO/IEC 11801 IEC 332.1 CEI 20.22 III ITC Standards		Capacity Mutual 110 pF/m					
										
1 x 2 x AWG 22 Flex FTP LSZH Interconn - Thermoplastic LSZH M1 quality Gray - Insulation C-4 (U0=400V)										
12F7HGZ	M100 B500	2,4	CuSn 7x0,25 mm 50 Ohm/km	PE 1,3	AL/Pet 100%	4,3	64 ± 15			
			Standards IEC 332.1 IEC 754-2 CEI 20.22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 70 pF/m					
 										
1 x 2 x AWG 22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
12F7YGO	M100 B500	2,3	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	AL/Pet 100%	4,3	64 ± 15			
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m					
										
3 x AWG 22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
23F7YGO	On request	2,8	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	AL/Pet 100%	4,4				
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 75 pF/m					
										
2 x 2 x AWG22 Flex FTP LSZH Interconn - Thermoplastic LSZH M1 quality Gray - Insulation C-4 (U0=400V)										
22F7HGZ	B500 1000	2,8	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	2x AL/Pet 100%	6,2	45 ± 15	66%		
			Standards IEC 60332-1 IEC 754-1/2 IEC 61034 CEI-UNEL 36762 ITC Standards		Capacity Mutual 80 pF/m					
 										
2 x 2 x AWG22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
22F7YGO	M100 B500	2,8	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	2x AL/Pet 100%	6,2	45 ± 15	66%		
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 80 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Serial BUS cables for Industrial Automation

Cables for Profi, Field, Lon, Can, Mod, Inter - BUS.

Compliant with most common protocols like EIA RS-232, EIA RS-422, EIA RS-485.

Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
3 x 2 x AWG 22 Flex FTP LSZH Interconn - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
32F7HGZ	On request	6	CuSn 7x0.25mm 50 Ohm/km	PE 1,3	3x AL/Pet 100% 6,7		50 ± 15	66%		
			Standards IEC 60332-1 CEI 20-22 III IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m					
										
3 x 2 x AWG 22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
32F7YGO	B500 B1000	6	CuSn 7x0.25mm 50 Ohm/km	PE 1,3	3x AL/Pet 100% 6,7		50 ± 15	66%		
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m					
										
1 x 2 x AWG24 +1 x 2 AWG 22 FLEX (STP) RS485 Dev - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
42S7YGO	M100 B500 1000	5,5	CU 7x0.20mm 79 Ohm/km	PE 1,58 / PVC 1,5	2x Al/Pet 100% CuSn 65%	7,3	120 ± 10	75%	1 4 10 16	2 3,8 6,4 9,0
			Standards IEC 332.1 CEI 20.22 III ITC Standards RS485 Standard CEI UNEL 36762		Capacity Mutual 40 pF/m					
										
CABLING SYSTEM 1/A 33G2772 2x2xAWG22 - PVC fire retardant Black - Insulation C-4 (U0=400V)										
COCSYNE	On request	10,5	CU 0,65mm 55 Ohm/km	PEE 2,2	AL3 100% CuSn 70% 77 Ohm/Km	7,8x11,8	150 ± 15		1 4 10 16 20 25 31,3 62,5	0,3 2,1 3,3 4,3 4,7 5,3 6,0 8,5
			Standards ISO/IEC 11801 EN 50173 TIA/EIA 568 IEC 332.1 CEI UNEL 36762		Screening Efficiency > 85 db Capacity Mutual 30 pF/m					
										

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

FROR and FEOR cables

for gate automation, intercoms, remote controls and building automation



Flexible intercom cables FM90M1 (GK type) Cca-s1b,d1,a1



Applications

Remote control, signalling, control and measurement, intercom and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Insulation resistance at 20°C

Min 200 MOhm/Km

External Jacket

Thermoplastic LSZH Green

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

EN 60332-1-2
EN 60754-1-2
EN 61034-2
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
GK-25VZ	CU 2x0,5mm ² Coded colors DIN 47100	39	4,5	2,8	Mutual max 80	M100
GK-35VZ	CU 3x0,5mm ² Coded colors DIN 47100	39	4,7	4,5	Mutual 120	M100
GK-45VZ	CU 4x0,5mm ² Coded colors DIN 47100	39	5,4	4,4	Mutual 120	M100
GK-65VZ	CU 6x0,5mm ² Coded colors DIN 47100	39	6,3	5,3	Mutual 120	M100
GK-85VZ	CU 8x0,5mm ² Coded colors DIN 47100	39	7,0	8,1	Mutual 120	M100
GK105VZ	CU 10x0,5mm ² Coded colors DIN 47100	39	7,8	8,6	Mutual 120	M100
GK125VZ	CU 12x0,5mm ² Coded colors DIN 47100	39	8,3	11	Mutual 120	M100
GK145VZ	CU 14x0,5mm ² Coded colors DIN 47100	39	8,6	12	Mutual 120	M100
GK165VZ	CU 16x0,5mm ² Coded colors DIN 47100	39	9,1	13,5	Mutual 120	M100
GK185VZ	CU 18x0,5mm ² Coded colors DIN 47100	39	9,6	14,4	Mutual 120	M100
GK205VZ	CU 20x0,5mm ² Coded colors DIN 47100	39	10,8	18	Mutual 120	M100
GK-27VZ	CU 2x0,75mm ² Coded colors DIN 47100	26	5,1	4,5	Mutual 100	M100
GK-37VZ	CU 3x0,75mm ² Coded colors DIN 47100	26	5,3	5,1	Mutual 120	M100
GK-47VZ	CU 4x0,75mm ² Coded colors DIN 47100	26	6,0	6,4	Mutual 120	M100
GK-21VZ	CU 2x1mm ² Coded colors DIN 47100	19	6,0	5,3	Mutual 73	M100
GK-41VZ	CU 4x1mm ² Coded colors DIN 47100	19	6,6	7,3	Mutual 130	M100
GK-51VZ	CU 5x1mm ² Coded colors DIN 47100	19	7,6	8,8	Mutual 130	M100
GK-2PVZ	CU 2x1,5mm ² Coded colors DIN 47100	12	6,9	6,5	Mutual 140	M100
GK-2QVZ	CU 2x2,5mm ² Coded colors DIN 47100	7,8	8,0	9	Mutual 150	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Flexible intercom cables FS18OR18 (FS type) - Cca-s3,d1,a3**Applications**

Remote control, signalling, control and measurement, intercom and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

External Jacket

PVC fire retardant Brown

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-15 / +70 °C

Notes

Globally twisted
CPR Reaction to fire EuroClass
according to EN 50575: Cca-s3,d1,a3

Standards

CEI EN 60332-1-2
CEI EN 50267-2-1
IEC 60228
CEI UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
FS-25MA	CU 2x0,5mm ² Coded colors DIN 47100	39	5,1	3,2	Mutual 120	M100
FS-35MA	CU 3x0,5mm ² Coded colors DIN 47100	39	5,1	3,7	Mutual 120	M100
FS-45MA	CU 4x0,5mm ² Coded colors DIN 47100	39	5,4	4,4	Mutual 120	M100
FS-65MA	CU 6x0,5mm ² Coded colors DIN 47100	39	6,1	5,9	Mutual 120	M100
FS-85MA	CU 8x0,5mm ² Coded colors DIN 47100	39	7,0	7,6	Mutual 120	M100
FS105MA	CU 10x0,5mm ² Coded colors DIN 47100	39	8,0	9,3	Mutual 120	M100
FS125MA	CU 12x0,5mm ² Coded colors DIN 47100	39	8,3	11	Mutual 120	M100
FS145MA	CU 14x0,5mm ² Coded colors DIN 47100	39	8,7	12,3	Mutual 120	M100
FS165MA	CU 16x0,5mm ² Coded colors DIN 47100	39	9,2	13,7	Mutual 120	M100
FS185MA	CU 18x0,5mm ² Coded colors DIN 47100	39	9,7	15,2	Mutual 120	M100
FS205MA	CU 20x0,5mm ² Coded colors DIN 47100	39	10,3	18	Mutual 120	M100
FS-27MA	CU 2x0,75mm ² Coded colors DIN 47100	26	5,1	3,4	Mutual 100	M100
FS-37MA	CU 3x0,75mm ² Coded colors DIN 47100	26	5,3	4,4	Mutual 120	M100
FS-47MA	CU 4x0,75mm ² Coded colors DIN 47100	26	6,0	5,6	Mutual 120	M100
FS-21MA	CU 2x1mm ² Coded colors DIN 47100	19	6,0	4,7	Mutual 73	M100
FS-41MA	CU 4x1mm ² Coded colors DIN 47100	19	6,9	7,6	Mutual 130	M100
FS-51MA	CU 5x1mm ² Coded colors DIN 47100	19	7,6	9,2	Mutual 130	M100
FS-2PMA	CU 2x1,5mm ² Coded colors DIN 47100	12	6,9	6,1	Mutual 140	M100
FS-2QMA	CU 2x2,5mm ² Coded colors DIN 47100	7,8	8,0	8,7	Mutual 150	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Flexible intercom cables FROR (FG type) - Eca



Applications

Remote control, signalling, control and measurement, intercom and industrial monitoring. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

IEC 332-1-2
VDE 0812
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
FG-25GR	CU 2x0,5mm ² Coded colors DIN 47100	39	4,7	2,8	Mutual 120	M100
FG-35GR	CU 3x0,5mm ² Coded colors DIN 47100	39	4,7	3,5	Mutual 120	M100
FG-45GR	CU 4x0,5mm ² Coded colors DIN 47100	39	5,4	3,7	Mutual 120	M100
FG-65GR	CU 6x0,5mm ² Coded colors DIN 47100	39	6,6	6,8	Mutual 120	M100
FG-85GR	CU 8x0,5mm ² Coded colors DIN 47100	39	7,1	8,4	Mutual 120	M100
FG105GR	CU 10x0,5mm ² Coded colors DIN 47100	39	8,1	10,1	Mutual 120	M100
FG125GR	CU 12x0,5mm ² Coded colors DIN 47100	39	8,3	11,6	Mutual 120	M100
FG145GR	CU 14x0,5mm ² Coded colors DIN 47100	39	8,8	13,1	Mutual 120	M100
FG165GR	CU 16x0,5mm ² Coded colors DIN 47100	39	9,8	15,6	Mutual 120	M100
FG185GR	CU 18x0,5mm ² Coded colors DIN 47100	39	10	16,4	Mutual 120	M100
FG205GR	CU 20x0,5mm ² Coded colors DIN 47100	39	11	19,5	Mutual 120	M100
FG-27GR	CU 2x0,75mm ² Coded colors DIN 47100	26	5,0	3,4	Mutual 100	M100
FG-37GR	CU 3x0,75mm ² Coded colors DIN 47100	26	5,2	4,4	Mutual 120	M100
FG-47GR	CU 4x0,75mm ² Coded colors DIN 47100	26	6,0	5,7	Mutual 120	M100
FG-21GR	CU 2x1mm ² Coded colors DIN 47100	19	6,0	4,7	Mutual 130	M100
FG-41GR	CU 4x1mm ² Coded colors DIN 47100	19	7,2	7,7	Mutual 130	M100
FG-51GR	CU 5x1mm ² Coded colors DIN 47100	19	6,8	5	Mutual 130	M100
FG-2PGR	CU 2x1,5mm ² Coded colors DIN 47100	12	6,9	6	Mutual 140	M100 B1000
FG-2QGR	CU 2x2,5mm ² Coded colors DIN 47100	7,8	7,7	8,3	Mutual 150	M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

FEOR cables for Automatic Gates (CA type) - Eca**Applications**

Cables with PE insulation, low capacity, for gate automation, intercom, Building Automation BUS.

Suitable for outdoor, underground installation in the pipe or conduit even in humid environments. Not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PE

Insulation resistance at 20°C

Min 200 MOhm/Km

External Jacket

PVC fire retardant Blue

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

4,5 KV

Temperature rating

-40 / +80 °C

**Notes**

Suitable for outdoor installation in conduit.

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

IEC 332-1
CEI 20-35
CEI UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
CA-25BL	CU 2x0,50 mm ² Red, Black	39	5,0	3,1	Mutual 60	M100 B500 1000
CA-45BL	CU 4x0,50 mm ² Red, Black, White, Brown	39	5,8	4,8	Mutual 60	M100 B500 1000
CA-65BL	CU 6x0,50 mm ² Red, Black, DIN 47100	39	6,7	6,8	Mutual 60	M100 B500 1000
CA210BL	CU 2x1,00 mm ² Red, Black	19	6,8	4,8	Mutual 70	M100 B500 1000
CA410BL	CU 4x1,00 mm ² Red, Black, White, Brown	19	7,5	8,1	Mutual 70	M100 B500 1000
CA610BL	CU 6x1,00 mm ² Red, Black, DIN 47100	19	8,5	11	Mutual 70	On request
CA110AN	CU 10x1,00 mm ² Red, Black, DIN 47100	19	13,5	27	Mutual 70	On request
CA215BL	CU 2x1,50 mm ² Red, Black	12	7,3	6,5	Mutual 80	On request
CA415BL	CU 4x1,50 mm ² Red, Black, White, Brown	12	8,4	10,7	Mutual 80	On request
CA615BL	CU 6x1,50 mm ² Red, Black, DIN 47100	12	9,5	14,4	Mutual 80	On request
CA225BL	CU 2x2,50 mm ² Red, Black	8	8,4	9,1	Mutual 100	On request
CA-3PBL	CU 3x1,50 mm ² Blue, Brown, Yellow/Green	12	7,8	10,5		On request

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.



Shielded cables

for data and control transmission



LSZH shielded cables for data transmission FM9OHH2M1 (FK type) Cca-s1b,d1,a1**Applications**

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

Thermoplastic LSZH

Capacity

Mutual 120 pF/m

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %
CU > 65 %

External Jacket

Thermoplastic LSZH Green

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Cca-s1b,d1,a1

Standards

EN 60332-1-2
EN 60754-1-2
EN 61034-2
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
FK-25VZ	CU 2x0,5mm ²	39	4,8	3,1	Colori secondo DIN 47100
FK-35VZ	CU 3x0,5mm ²	39	5,0	3,8	Colori secondo DIN 47100
FK-45VZ	CU 4x0,5mm ²	39	5,5	4,7	Colori secondo DIN 47100
FK-55VZ	CU 5x0,5mm ²	39	6,1	5,8	Colori secondo DIN 47100
FK-65VZ	CU 6x0,5mm ²	39	6,7	6,3	Colori secondo DIN 47100
FK-75VZ	CU 7x0,5mm ²	39	6,5	7	Colori secondo DIN 47100
FK-85VZ	CU 8x0,5mm ²	39	7,3	8,5	Colori secondo DIN 47100
FK-27VZ	CU 2x0,75mm ²	26	5,3	3,7	Colori secondo DIN 47100
FK-37VZ	CU 3x0,75mm ²	26	5,5	5	Colori secondo DIN 47100
FK-47VZ	CU 4x0,75mm ²	26	6,3	6,8	Colori secondo DIN 47100
FK-57VZ	CU 5x0,75mm ²	26	6,5	7,6	Colori secondo DIN 47100
FK-67VZ	CU 6x0,75mm ²	26	7,2	8,7	Colori secondo DIN 47100
FK-77VZ	CU 7x0,75mm ²	26	7,0	10	Colori secondo DIN 47100
FK-87VZ	CU 8x0,75mm ²	26	7,6	10,7	Colori secondo DIN 47100
FK315VZ	CU 3x1,5mm ²	12	7,3	9	Colori secondo DIN 47100
FK-21VZ	CU 2x1mm ²	19	6,1	5,2	Colori secondo DIN 47100
FK-31VZ	CU 3x1mm ²	19	6,2	6,5	Colori secondo DIN 47100
FK-41VZ	CU 4x1mm ²	19	7,0	8,7	Colori secondo DIN 47100
FK-51VZ	CU 5x1mm ²	19	8,0	10,6	Colori secondo DIN 47100
FK-61VZ	CU 6x1mm ²	19	8,3	11,8	Colori secondo DIN 47100
FK215VZ	CU 2x1,5mm ²	12	6,8	6,6	Colori secondo DIN 47100
FK415VZ	CU 4x1,5mm ²	12	8,2	12	Colori secondo DIN 47100
FK225VZ	CU 2x2,5mm ²	8	8,1	9,5	Colori secondo DIN 47100
FK325VZ	CU 3x2,5mm ²	8	8,1	12,5	Colori secondo DIN 47100
FK-53VZ	CU 5x0,35mm ²	50	6,1	5	Colori secondo DIN 47100
FK-63VZ	CU 6x0,35mm ²	50	6,0	5,7	Colori secondo DIN 47100
FK-73VZ	CU 7x0,35mm ²	50	6,1	6,2	Colori secondo DIN 47100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Data transmission shielded cables FROHH2R (FR type) - Eca



Applications

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Capacity

Mutual 120 pF/m

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %
CU > 65 %

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
VDE 0812
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
FR-23GR	CU 2x0,35mm ²	50	4,3	3,2	Colori secondo DIN 47100
FR-33GR	CU 3x0,35mm ²	50	4,7	3,5	Colori secondo DIN 47100
FR-43GR	CU 4x0,35mm ²	50	5,2	4	Colori secondo DIN 47100
FR-53GR	CU 5x0,35mm ²	50	5,8	5	Colori secondo DIN 47100
FR-25GR	CU 2x0,5mm ²	39	4,7	3,2	Colori secondo DIN 47100
FR-35GR	CU 3x0,5mm ²	39	5,0	4,2	Colori secondo DIN 47100
FR-45GR	CU 4x0,5mm ²	39	5,8	5	Colori secondo DIN 47100
FR-55GR	CU 5x0,5mm ²	39	6,2	6,1	Colori secondo DIN 47100
FR-65GR	CU 6x0,5mm ²	39	6,4	7,1	Colori secondo DIN 47100
FR-75GR	CU 7x0,5mm ²	39	6,5	7,7	Colori secondo DIN 47100
FR-85GR	CU 8x0,5mm ²	39	7,2	9,2	Colori secondo DIN 47100
FR105GR	CU 10x0,5mm ²	39	8,5	11,3	Colori secondo DIN 47100
FR125GR	CU 12x0,5mm ²	39	9,0	15,3	Colori secondo DIN 47100
FR-27GR	CU 2x0,75mm ²	26	5,0	4,2	Colori secondo DIN 47100
FR-37GR	CU 3x0,75mm ²	26	5,4	5,4	Colori secondo DIN 47100
FR-47GR	CU 4x0,75mm ²	26	6,5	6,8	Colori secondo DIN 47100
FR-67GR	CU 6x0,75mm ²	26	7,0	9,5	Colori secondo DIN 47100
FR-77GR	CU 7x0,75mm ²	26	7,2	10,6	Colori secondo DIN 47100
FR-87GR	CU 8x0,75mm ²	26	7,6	11,1	Colori secondo DIN 47100
FR107GR	CU 10x0,75mm ²	26	9,1	13,9	Colori secondo DIN 47100
FR127GR	CU 12x0,75mm ²	26	9,0	15,9	Colori secondo DIN 47100
FR-21GR	CU 2x1mm ²	19	6,1	5,9	Colori secondo DIN 47100
FR-31GR	CU 3x1mm ²	19	6,3	6,9	Colori secondo DIN 47100
FR-41GR	CU 4x1mm ²	19	7,1	8,7	Colori secondo DIN 47100
FR-51GR	CU 5x1mm ²	19	7,9	10,8	Colori secondo DIN 47100
FR-61GR	CU 6x1mm ²	19	8,1	12	Colori secondo DIN 47100
FR-71GR	CU 7x1mm ²	19	8,5	13,8	Colori secondo DIN 47100
FR-81GR	CU 8x1mm ²	19	9,4	16,2	Colori secondo DIN 47100
FR101GR	CU 10x1mm ²	19	10,5	19,8	Colori secondo DIN 47100
FR215GR	CU 2x1,5mm ²	12	6,9	7,2	Colori secondo DIN 47100
FR315GR	CU 3x1,5mm ²	12	7,1	8,7	Colori secondo DIN 47100
FR415GR	CU 4x1,5mm ²	12	8,0	11,8	Colori secondo DIN 47100
FR515GR	CU 5x1,5mm ²	12	9,2	14,5	Colori secondo DIN 47100
FR615GR	CU 6x1,5mm ²	12	9,5	16,6	Colori secondo DIN 47100
FR715GR	CU 7x1,5mm ²	12	10	17	Colori secondo DIN 47100
FR225GR	CU 2x2,5mm ²	8	7,7	9,5	Colori secondo DIN 47100
FR325GR	CU 3x2,5mm ²	8	8,1	12,5	Colori secondo DIN 47100
FR425GR	CU 4x2,5mm ²	8	9,3	16,5	Colori secondo DIN 47100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Data transmission shielded cables FR20HH2R (CY type) - Eca**Applications**

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Capacity

Mutual 120 pF/m

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

AL2 100 %
CU > 40 %

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted
CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
VDE 0812
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
CY-2AGR	CU 2x0,22mm ²	89	3,9	2,4	Colori secondo DIN 47100
CY-3AGR	CU 3x0,22mm ²	89	4,0	3	Colori secondo DIN 47100
CY-4AGR	CU 4x0,22mm ²	89	4,5	3,4	Colori secondo DIN 47100
CY-5AGR	CU 5x0,22mm ²	89	4,8	4	Colori secondo DIN 47100
CY-6AGR	CU 6x0,22mm ²	89	5,1	4,4	Colori secondo DIN 47100
CY-8AGR	CU 8x0,22mm ²	89	5,7	5	Colori secondo DIN 47100
CY10AGR	CU 10x0,22mm ²	89	5,8	5,2	Colori secondo DIN 47100
CY12AGR	CU 12x0,22mm ²	89	6,9	8,8	Colori secondo DIN 47100
CY16AGR	CU 16x0,22mm ²	89	7,4	9,3	Colori secondo DIN 47100
CY-2CGR	CU 2x0,35mm ²	50	4,1	3,1	Colori secondo DIN 47100
CY-3CGR	CU 3x0,35mm ²	50	4,4	3,4	Colori secondo DIN 47100
CY-4CGR	CU 4x0,35mm ²	50	5,2	3,9	Colori secondo DIN 47100
CY-5CGR	CU 5x0,35mm ²	50	5,5	4,8	Colori secondo DIN 47100
CY-6CGR	CU 6x0,35mm ²	50	5,6	5,3	Colori secondo DIN 47100
CY-8CGR	CU 8x0,35mm ²	50	7,0	7,6	Colori secondo DIN 47100
CY-2GGR	CU 2x0,5mm ²	39	4,5	3,2	Colori secondo DIN 47100
CY-3GGR	CU 3x0,5mm ²	39	4,8	4,2	Colori secondo DIN 47100
CY-4GGR	CU 4x0,5mm ²	39	5,6	4,9	Colori secondo DIN 47100
CY-5GGR	CU 5x0,5mm ²	39	5,9	5,9	Colori secondo DIN 47100
CY-6GGR	CU 6x0,5mm ²	39	6,2	6,9	Colori secondo DIN 47100
CY-7GGR	CU 7x0,5mm ²	39	6,2	7,5	Colori secondo DIN 47100
CY-8GGR	CU 8x0,5mm ²	39	7,3	9	Colori secondo DIN 47100
CY10GGR	CU 10x0,5mm ²	39	7,6	11	Colori secondo DIN 47100
CY12GGR	CU 12x0,5mm ²	39	8,6	15	Colori secondo DIN 47100
CY16GGR	CU 16x0,5mm ²	39	10,4	20	Colori secondo DIN 47100
CY24GGR	CU 24x0,5mm ²	39	11,4	27	Colori secondo DIN 47100
CY-2LGR	CU 2x0,75mm ²	26	5,1	4,2	Colori secondo DIN 47100
CY-3LGR	CU 3x0,75mm ²	26	5,1	5,3	Colori secondo DIN 47100
CY-4LGR	CU 4x0,75mm ²	26	6,3	6,8	Colori secondo DIN 47100
CY-5LGR	CU 5x0,75mm ²	26	6,4	7,3	Colori secondo DIN 47100
CY-6LGR	CU 6x0,75mm ²	26	6,7	9,3	Colori secondo DIN 47100
CY-8LGR	CU 8x0,75mm ²	26	7,4	10,8	Colori secondo DIN 47100
CY-2NGR	CU 2x1mm ²	19	6,1	5,7	Colori secondo DIN 47100
CY-3NGR	CU 3G1mm ²	19	6,1	6,8	Colori secondo UNEL 00722
CY-4NGR	CU 4G1mm ²	19	6,9	8,6	Colori secondo UNEL 00722
CY-5NGR	CU 5x1mm ²	19	7,3	10,3	Colori secondo DIN 47100
CY-7NGR	CU 7x1mm ²	19	8,2	13,5	Colori secondo DIN 47100
CY10NGR	CU 10x1mm ²	19	10,3	19,5	Colori secondo DIN 47100
CY-2PGR	CU 2x1,5mm ²	12	6,7	7,1	Colori secondo UNEL 00722
CY-3PGR	CU 3G1,5mm ²	12	6,9	8,6	Colori secondo UNEL 00722
CY-4PGR	CU 4G1,5mm ²	12	7,8	11,8	Colori secondo UNEL 00722
CY-5PGR	CU 5G1,5mm ²	12	9,1	14	Colori secondo UNEL 00722
CY-2QGR	CU 2x2,5mm ²	8	7,5	9,4	Colori secondo UNEL 00722
CY-3QGR	CU 3G2,5mm ²	8	7,9	12,3	Colori secondo UNEL 00722
CY-4QGR	CU 4G2,5mm ²	8	9,1	16,4	Colori secondo UNEL 00722
CY-5QGR	CU 5G2,5mm ²	8	9,4	17	Colori secondo UNEL 00722
CY-6QGR	CU 6G2,5mm ²	8	9,9	20	Colori secondo UNEL 00722

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Data transmission shielded cables FR20H2R (SC type) - Eca



Applications

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Capacity

Mutual 80 pF/m

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

CU > 80 %

External Jacket

PVC fire retardant Gray oil-proof

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +80 °C

Notes

Globally twisted
CPR Reaction to fire EuroClass
according to EN 50575: Eca

Standards

IEC332-1-2
IEC 332.3C
VDE 0812
ENI 0.181.00
IEC189.2
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
SC-22GO	CU 2x0,25mm ²	87	4,0	2,3	Colori secondo DIN 47100
SC-32GO	CU 3x0,25mm ²	89	4,5	3,7	Colori secondo DIN 47100
SC-42GO	CU 4x0,25mm ²	89	4,9	3,4	Colori secondo DIN 47100
SC-52GO	CU 5x0,25mm ²	89	5,5	5,3	Colori secondo DIN 47100
SC-62GO	CU 6x0,25mm ²	89	5,7	4,6	Colori secondo DIN 47100
SC-72GO	CU 7x0,25mm ²	89	5,8	6	Colori secondo DIN 47100
SC-82GO	CU 8x0,25mm ²	89	6,1	5,3	Colori secondo DIN 47100
SC-23GO	CU 2x0,35mm ²	50	4,8	3,3	Colori secondo DIN 47100
SC-33GO	CU 3x0,35mm ²	50	5,0	3,9	Colori secondo DIN 47100
SC-43GO	CU 4x0,35mm ²	50	5,7	4,9	Colori secondo DIN 47100
SC-53GO	CU 5x0,35mm ²	50	6,2	6,2	Colori secondo DIN 47100
SC-63GO	CU 6x0,35mm ²	50	6,3	6,2	Colori secondo DIN 47100
SC-73GO	CU 7x0,35mm ²	50	7,5	7,8	Colori secondo DIN 47100
SC-83GO	CU 8x0,35mm ²	50	7,0	7,9	Colori secondo DIN 47100
SC-15GO	CU 1x0,5mm ²	39	3,1	1,5	Colori secondo DIN 47100
SC-25GO	CU 2x0,5mm ²	39	5,1	4	Colori secondo DIN 47100
SC-35GO	CU 3x0,5mm ²	39	5,2	4,3	Colori secondo DIN 47100
SC-45GO	CU 4x0,5mm ²	39	6,0	5,3	Colori secondo DIN 47100
SC-65GO	CU 6x0,5mm ²	39	6,8	7,2	Colori secondo DIN 47100
SC-85GO	CU 8x0,5mm ²	39	7,4	8,7	Colori secondo DIN 47100
SC105GO	CU 10x0,5mm ²	39	8,2	10	Colori secondo DIN 47100
SC-27GO	CU 2x0,75mm ²	26	5,5	5	Colori secondo DIN 47100
SC-37GO	CU 3x0,75mm ²	26	5,5	5,6	Colori secondo DIN 47100
SC-47GO	CU 4x0,75mm ²	26	6,6	7,1	Colori secondo DIN 47100
SC-21GO	CU 2x1mm ²	19	6,4	5,8	Colori secondo DIN 47100
SC-31GO	CU 3x1mm ²	19	6,6	6,9	Colori secondo DIN 47100
SC-41GO	CU 4x1mm ²	19	7,5	8,4	Colori secondo DIN 47100
SC-51GO	CU 5x1mm ²	19	8,4	10,7	Colori secondo DIN 47100
SC215GO	CU 2x1,5mm ²	12	7,3	7,2	Colori secondo DIN 47100
SC315GO	CU 3x1,5mm ²	12	7,4	9,1	Colori secondo DIN 47100
SC415GO	CU 4x1,5mm ²	12	8,5	11,6	Colori secondo DIN 47100
SC515GO	CU 5x1,5mm ²	12	9,3	16,5	Colori secondo DIN 47100
SC225GO	CU 2x2,5mm ²	8	8,0	10,5	Colori secondo DIN 47100
SC325GO	CU 2x2,5mm ²	8	8,6	14,5	Colori secondo DIN 47100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Data transmission shielded cables FR20H2R (LIYCY type) - Eca**Applications**

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

CuSn > 70 %

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

CPR Reaction to fire EuroClass according to EN 50575: Eca

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
LI-22GR	CU 2x0,25mm ² Colori secondo DIN 47100	89	4,3	2,8	Mutual 100	On request
LI-42GR	CU 4x0,25mm ² Colori secondo DIN 47100	89	5,2	3,8	Mutual 100	On request
LI-62GR	CU 6x0,25mm ² Colori secondo DIN 47100	89	5,6	5,3	Mutual 100	On request
LI-82GR	CU 8x0,25mm ² Colori secondo DIN 47100	89	6,2	6,5	Mutual 100	On request
LI102GR	CU 10x0,25mm ² Colori secondo DIN 47100	89	6,7	7,9	Mutual 100	On request
LI122GR	CU 12x0,25mm ² Colori secondo DIN 47100	89	7,3	9,2	Mutual 100	On request
LI-23GR	CU 2x0,35mm ² Colori secondo DIN 47100	50	4,7	3,4	Mutual 110	On request
LI-43GR	CU 4x0,35mm ² Colori secondo DIN 47100	50	5,0	4,3	Mutual 110	On request
LI-25GR	CU 2x0,5mm ² Colori secondo DIN 47100	39	5,2	3,9	Mutual 120	On request
LI-45GR	CU 4x0,5mm ² Colori secondo DIN 47100	39	6,0	5,9	Mutual 120	On request
LI-65GR	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,7	7,5	Mutual 120	On request
LI165GR	CU 16x0,5mm ² Colori secondo DIN 47100	39	9,3	20	Mutual 120	On request
LI-21GR	CU 2x1mm ² DIN 47100	19	6,2	6	Mutual 130	On request
LI-41GR	CU 4x1mm ² Colori secondo DIN 47100	19	7,6	10,1	Mutual 130	On request
LI215GR	CU 2x1,5mm ² Colori secondo DIN 47100	13	6,2	6	Mutual 140	On request

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
VDE 0812
CEI UNEL 36762

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Twinpaired overall shielded cables LiYCY TP (LX type) and LiYY TP (FX164)



Applications

Data detection and transmission, monitoring and control systems, measurement and monitoring systems, computer network and peripheral interface interconnections. Important protection against electromagnetic interference and external disturbance. Cables for permanent laying, not suitable as power cables. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

CuSn > 80 %

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Notes

Twisted pairs.
Not suitable for being laid in damp environments.

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
VDE 0812
CEI UNEL 36762

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
LX-22GR	CU 2x2x0,25mm ² colors by DIN 47100	78	5,6	4,6	Mutual 100	M100 B500 B1000
LX-27GR	CU 2x2x0,75mm ² colors by DIN 47100	26	7,3	7,5	Mutual 130	M100 B500 B1000
LX-32GR	CU 3x2x0,25mm ² colors by DIN 47100	78	6,0	6,5	Mutual 100	M100 B500 B1000
LX-42GR	CU 4x2x0,25mm ² colors by DIN 47100	78	6,7	7,7	Mutual 100	M100 B500 B1000
LX-52GR	CU 5x2x0,25mm ² colors by DIN 47100	78	7,1	9	Mutual 100	B500 B1000
LX25CGR	CU 2x2x0,5mm ² colors by DIN 47100	39	6,7	7	Mutual 120	M100 B500 B1000
LX35CGR	CU 3x2x0,5mm ² colors by DIN 47100	39	7,5	9,4	Mutual 120	M100 B500 B1000
LX376GR	CU 3x2x0,75mm ² colors by DIN 47100	26	8,0	10,2	Mutual 130	M100 B500 B1000
LXD24GR°	CU 2X2x0,14mm ² colors by DIN 47100	122	4,4 ± 0,2	2	Mutual 60	On request
LXD25GR°	CU 2X2x0,5mm ² colors by DIN 47100	39	6,3 ± 0,2	5,5	Mutual 110	On request
LXD45GR°	CU 4X2x0,5mm ² colors by DIN 47100	39	7,7 ± 0,2	12	Mutual 60	On request
LXD47GR°	CU 4X2x0,75mm ² colors by DIN 47100	26	8,5 ± 0,2	13	Mutual 120	On request
LXD6GGR°	CU 16X2x0,5mm ² colors by DIN 47100	39	15,0 ± 0,5	20	Mutual 120	On request

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Twinpaired overall shielded cables Li-2YCYv TP (LXP type) - Eca

	Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
F_{ca}	LXP07GS	CU 1X2x0,75mm ² colors by DIN 47100	26	6,5	10	Mutual 60	M100 B500 B1000
	LXP25GS	CU 2X2x0,5mm ² colors by DIN 47100	39	8,8	10	Mutual 60	M100 B500 B1000
	LXP27GS	CU 2X2x0,75mm ² Colori secondo DIN 47100	26	9,3	15	Mutual 60	On request
	LXP35GS	CU 3X2x0,5mm ² colors by DIN 47100	39	9,0	11	Mutual 60	On request
	LXP45GS	CU 4X2x0,5mm ² Colori secondo DIN 47100	39	10,5	14	Mutual 60	M100 B500 B1000
	LXP47GS	CU 4X2x0,75mm ² Colori secondo DIN 47100	26	10,8	17	Mutual 60	M100 B500 B1000
F_{ca}	LXP67GS	CU 6X2x0,75mm ² colors by DIN 47100	26	12,0	15	Mutual 60	On request
F_{ca}	LXP85GS	CU 8x2x0,5mm ² colors by DIN 47100	39	12,0	20,0	Mutual 60	On request

Applications

For wiring from data systems at transmission rates up to 10 Megabit per second and is qualified for the serial interfaces RS422 and RS485. The reinforced outer sheath is suitable for inside and outside use as well as burial in the ground. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.

Insulation

PE

Insulation resistance at 20°C

Min 200 MOhm/Km

Shielding

CuSn > 70 %

External Jacket

PVC fire retardant Gray (1,8 mm)

Voltage Withstanding

C-4 (U₀=400V)

Test Voltage

4,5 KV

Temperature rating

-40 / +80 °C

Notes

Suitable for outdoor installation in conduit.
CPR Reaction to fire EuroClass according to EN 50575: Eca and Fca

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
CEI-UNEL 36762
VDE 0812

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Unshielded extra flexible cables 07BQ-F (NP type) - Fca**Applications**

Multipolar cables suitable for heavy-duty use, used for temporarily connecting tools and portable equipment.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 500 MOhm/Km

External Jacket

PU Orange

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-5 / +75 °C

Notes

CPR Reaction to fire EuroClass according to EN 50575: Fca

Standards

CEI 20-22
CEI 20-35
IEC 332.3C

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
NP-21AM	CU 2x1mm ² Colori secondo UNEL 00722	18	7,3	6,7		M100
NP-31AM	CU 3 Gx1mm ² Colori secondo UNEL 00722	18	6,9	7		M100
NP-41AM	CU 4 Gx1mm ² Colori secondo UNEL 00722	18	8,0	9,8		On request
NP215AM	CU 2x1,5mm ² Colori secondo UNEL 00722	13	7,6	8		M100
NP315AM	CU 3 Gx1,5mm ² Colori secondo UNEL 00722	13	8,2	9,8		M100
NP325AM	CU 3 Gx2,5mm ² Colori secondo UNEL 00722	8	10,4	15,9		M100
NP415AM	CU 4 Gx1,5mm ² Colori secondo UNEL 00722	13	9,3	13,5		On request

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Telephone Cables



Indoor telephone TR/R cables (TX type) - Eca



Applications

Pair cables for connections in telephone exchanges or distribution systems inside civil and industrial buildings.
Not suitable as power cables.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

External Jacket

PVC fire retardant Gray

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

1,5 KV

Temperature rating

-10 / +80 °C

Notes

Twisted pairs

CPR Reaction to fire EuroClass according to EN 50575: Eca

Standards

CEI 46-5
UNEL 00724

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
TX16-GR	CuSn 1x2x0,6mm Colori secondo UNEL 00724	61	3,1	1,3	Mutual 120	M100
TX16TGR	CuSn 1x2+Tx0,6mm Colori secondo UNEL 00724	61	3,2	1,7	Mutual 120	M100
TX26-GR	CuSn 2x2x0,6mm Colori secondo UNEL 00724	61	4,3	2,3	Mutual 120	M100
TX26TGR	CuSn 2x2+Tx0,6mm Colori secondo UNEL 00724	61	4,9	2,7	Mutual 120	M100
TX36TGR	CuSn 3x2+Tx0,6mm Colori secondo UNEL 00724	61	5,2	3,9	Mutual 120	M100
TX46-GR	CuSn 4x2x0,6mm Colori secondo UNEL 00724	61	5,6	3,7	Mutual 120	On request
TX46TGR	CuSn 4x2+Tx0,6mm Colori secondo UNEL 00724	61	5,7	4,3	Mutual 120	On request
TX56TGR	CuSn 5x2+Tx0,6mm Colori secondo UNEL 00724	61	6,0	5,2	Mutual 120	On request
TX66-GR	CuSn 6x2x0,6mm Colori secondo UNEL 00724	61	6,2	5,3	Mutual 120	On request
TX86TGR	CuSn 8x2+Tx0,6mm Colori secondo UNEL 00724	61	7,1	7,7	Mutual 120	On request
TX11TGR	CuSn 11x2+Tx0,6mm Colori secondo UNEL 00724	61	7,7	9,7	Mutual 120	On request
TX11DPN	CuSn 11x2+Tx0,6mm Colori secondo UNEL 00724	61	9,6	10,3	Mutual 120	M100 B500
T16TDPN	CuSn 1x2+Tx0,6mm Colori secondo UNEL 00724	61	4,4	2,3	Mutual 120	M100 B500 B1000
T26TDPN	CuSn 2x2+Tx0,6mm Colori secondo UNEL 00724	61	6,1	2,7	Mutual 120	M100 B500 B1000
TR26-	CuSn 1x2x0,6mm Colori secondo UNEL 00724	61	2,0	0,65	Mutual 120	M250



REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Audio cables



Audio cables for Hi-Fi and Speaker systems



Applications

Cables for loudspeakers, HI-FI and public address systems.

Insulation

PVC fire retardant

Insulation resistance at 20°C

Min 200 MOhm/Km

Test Voltage

2,5 KV

Temperature rating

-10 / +80 °C

Standards

IEC 60332-1

Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
ACB35	CU 2x0,35mm ² Red-Black	52	2,0 x 4,0	1,5		M100
ACB05	CU 2x0,50mm ² Available: White, Black, Brown, Transparent, Gold	36	2,5 x 5,0	2		M100
ACB50	CU 2x0,50mm ² Red-Black	36	2,0 x 4,4	1,8		M100
ACB75	CU 2x0,75mm ² Red-Black	24	2,3 x 5,0	2,5		M100
ACB10	CU 2x1,00mm ² Red-Black	19	2,7 x 5,5	3,2		M100
ACB15	CU 2x1,50mm ² Red-Black	12	3,0 x 6,0	4,2		M100
ACB20	CU 2x2,00mm ² Red-Black	7,8	4,0 x 8,0	7		M100
ACB25	CU 2x2,50mm ² Red-Black	7,8	4,0 x 8,0	7		M100
ACP30	CU 2x3,00mm ² Conductor 1: Cu Conductor 2: CuSn	5,6	3,6 x 7,2	6		M100

REMARK: All cables can be ordered with ANTI-RODENT ARMOUR and are ROHS and LVD compliant.

Accessories and Connectors



Accessories



AC-VF

Grip for connectors-F.



AC476

Clamp for connectors-ACG11.



ACCRP

Clamp for connectors-F.



ACFAS

Stripping Tool FAST.



ACFIN

Scissors COAX (inox).



ACLAM

Scissors LAMPO.



ACPB3

Clamp for BNC (es. cables DS-40 and DV-40).



ACPBN

Clamp for BNC.



ACPTW

Clamp for Tw inax.



ACTAS

Stripping Tool TASPECO.

Coaxial connectors



ACCAP

Universal Pressure connector.



ACTAP

Final cap for connectors-F.



ACF81

Female / Female (direct join).



AC-EA

for H121 / SA-59 / SA59D (crimp).



AC-OI

for H124 / H128 / SA--6 / SAD10 (crimp).



AC-SI

F - 5,4 / 8,4 for cables 7mm (crimp).



AC123

for H123 / SAE60 / SAD65 (screw connector).



ACF36

for H122 / SA-36 (crimp).



AC-G7

for PRG7 (crimp).



ACG11

for PRG11 / SAPAD (crimp).



ACF03

Female / Female CX3C0 / CX3C2.



ACF04

Female / Female CX4C0 / CX4C2.



ACM03

Female / Male CX3C0 / CX3C2.



ACM04

Female / Male CX4C0 / CX4C2.

Coaxial connectors



AV121

for H121 / SA-59 (screw connector).



AV122

for H122 / SA-36 (screw connector).



AV123

for H123 / SAE60.



AV124

for H124 / H128 / SAD10 / SAEX1 (screw connector).



AV125

for H125 / SA300 (screw connector).



AV128

for H128 (screw connector).



ACV11

for SAPAD (screw connector).



AV-G7

for PRG7 / SA-75 (screw connector).



AVG11

for PRG11 (screw connector).



AC-SR

SR 01-55 from CABA3 to SA300.



ACP55

SP55 for CABA3.



ACSR2

SR 02-55 from CABA3 to CABA6.

Connectors for RG & Twinax**ACBAA**

RG 58 Male (Crimp - BNC).
Rif. 31 0320 - RFX

**ACBAB**

RG 59-62 Male (Crimp - BNC).
Rif. 31 0321 - RFX

**ACBAC**

RG 58-59-62 Adapter F / F BNC.
Rif. 31 0219 - RFX

**ACBAD**

RG 58-59-62 Adapter F / F BNC.
Rif. 31 0220-S

**ACBAE**

RG 58-59-62 Female (BNC).
Rif. 31 0221 - RFX

**ACBAL**

for cables DS40/DV40, use Clamp ACPB3.

**ACBAM**

for cables DS80/DV80, use Clamp ACPBN.

**ACBAN**

for cables DS140/DV140, use Clamp ACCRP.

**ACTAA**

Twinax 7362211 Male.
Rif. 82 5589 - RFX

**ACTAB**

Twinax Adapter F / F+F65:F106.
Rif. 82 5588 - RFX

**ACTAC**

Female Twinax.
Rif. 82 5590 - RFX

**ACTAD**

Twinax Adapter F / F / F.
Rif. 82 5677 - RFX

Our Packaging

Ending part of the part-number	Picture	Length	Description
M100	F	100 m	Skein
MC100	F	100 m	Skein
BC100	D	100 m	Plastic Reel
B100 (ITC only)	C	100 m	Wood Reel
B100 (Belden only)		100 m	Skein in carton box
MC150	F	150 m	Skein
BC200	D	200 m	Plastic Reel
MC200	F	200 m	Skein
B250	D	250 m	Plastic Reel for expositor
U250 (Belden only)	E	250 m	Unreel® Box
MB250	E	250 m	Unreel® Box
B500	C, D	500 m	Plastic or Wood Reel depending on cables
B300	D	300 m	Plastic Reel for expositor
U305 (Belden only)	E	305 m	Unreel® Box
305 (Belden only)	E	305 m	Reel
MB300	E	300 m	Unreel® Box
1000	A	1.000 m	Wood Reel, thin cables in Plastic Reels

Optical Fiber is available in any length, packaged in Skein or Wood Reels.



Insulation Colour Guide

Wires Color (DIN 47100)

Conductor	Color
1	White
2	Brown
3	Green
4	Yellow
5	Gray
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Gray / Pink
12	Red / Blue
13	White / Green
14	Brown / Green
15	White / Cyan
16	Yellow / Brown
17	White / Gray
18	Gray / Brown
19	White / Pink
20	Pink / Brown
21	White / Blue
22	Brown / Blue
23	White / Red
24	Brown / Red
25	White / Black
26	Brown / Black
27	Gray / Green
28	Yellow / Green
29	Pink / Green
30	Yellow / Pink
31	Green / Blue
32	Yellow / Blue
33	Green / Red
34	Yellow / Red
35	Green / Black
36	Yellow / Black
37	Gray / Blue
38	Pink / Blue
39	Gray / Red
40	Pink / Red

Colors of Pair-Cables

Pairs N°	1° Conductor	2° Conductor
1-23	White	Brown
2-24	Green	Yellow
3-25	Gray	Pink
4-26	Blue	Red
5-27	Black	Violet
6-28	Gray / Pink	Red / Blue
7-29	White / Green	Brown / Green
8-30	White / Yellow	Yellow / Brown
9-31	White / Gray	Gray / Brown
10-32	White / Pink	Pink / Brown
11-33	White / Blue	Brown / Blue
12-34	White / Red	Brown / Red
13-35	White / Black	Brown / Black
14-36	Gray / Green	Yellow / Gray
15-37	Pink / Green	Yellow / Pink
16-38	Green / Blue	Yellow / Blue
17-39	Green / Red	Yellow / Red
18-40	Green / Black	Yellow / Black
19-41	Gray / Blue	Pink / Blue
20-42	Gray / Red	Pink / Red
21-43	Gray / Black	Pink / Black
22-44	Blue / Black	Red / Black

Wires Color for FM cables

Pairs N°	1° Conductor	2° Conductor
1	Red	Black
2	WHITE / Blue	Blue
3	WHITE / Orange	Orange
4	WHITE / Green	Green
5	WHITE / Brown	Brown
6	WHITE / Gray	Gray
7	RED / Blue	Blue
8	RED / Orange	Orange
9	RED / Green	Green
10	RED / Brown	Brown
11	RED / Gray	Gray
12	Black / BLUE	Blue
13	Black / ORANGE	Orange
14	Black / GREEN	Green
15	Black / BROWN	Brown
16	Black / GRAY	Gray
17	VIOLET / Blue	Blue
18	VIOLET / Blue	Orange
19	VIOLET / Green	Green
20	VIOLET / Brown	Brown
21	VIOLET / Gray	Gray

Wire colors for telecom applications

(CEI46-5 UNEL 00724)

Pairs N°	1° Conductor	2° Conductor
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Gray
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Gray
11	Black	Blue

Wire colors for 07BQ-F cables

(CEI UNEL 00722 4° edition)

Wire	Colors
1	Light Blue / Brown
2	Yellow-Green / Brown / Light Blue
3	Yellow-Green / Black / Light Blue / Brown
4	Yellow-Green / Black / Light Blue / Brown / Black
5	Yellow-Green / Black / Light Blue / Brown / Black / Gray

AWG Conversion and Conductor Resistance Guide

AWG Conversion

AWG	Conductor (type)	Overall diameter (mm)	Section (mm ²)	Resistance (Ohm/m)
40	Solid	0.079	0.005	354.3
39	Solid	0.089	0.006	278.2
38	Solid	0.102	0.008	212.8
37	Solid	0.114	0.010	168.0
36	Solid	0.127	0.013	136.1
	Flex	0.153	0.014	136.1
35	Solid	0.142	0.016	108.6
34	Solid	0.160	0.020	85.6
	Flex	0.191	0.022	85.6
33	Solid	0.180	0.025	67.9
32	Solid	0.209	0.032	53.8
	Flex	0.203	0.034	53.8
	Flex	0.229	0.039	53.8
31	Solid	0.226	0.040	42.7
30	Solid	0.255	0.051	33.9
	Flex	0.305	0.056	36.7
	Flex	0.305	0.060	36.7
29	Solid	0.287	0.064	26.8
28	Solid	0.320	0.080	21.3
	Flex	0.381	0.071	23.2
	Flex	0.406	0.093	23.2
27	Solid	0.361	0.102	16.9
	Flex	0.457	0.111	18.2
26	Solid	0.404	0.127	13.4
	Flex	0.483	0.140	14.6
	Flex	0.533	0.127	14.6
	Flex	0.508	0.153	14.6
25	Solid	0.455	0.163	10.6
24	Solid	0.511	0.203	8.4
	Flex	0.610	0.226	9.1
	Flex	0.584	0.200	9.1
	Flex	0.610	0.239	9.1
	Flex	0.584	0.201	9.1
23	Solid	0.574	0.259	6.7
22	Solid	0.643	0.322	5.3
	Flex	0.762	0.352	5.7
	Flex	0.787	0.380	5.7
	Flex	0.762	0.327	5.7
21	Solid	0.724	0.412	4.2
20	Solid	0.813	0.514	3.3
	Flex	0.965	0.562	3.6
	Flex	0.890	0.504	3.6
	Flex	0.940	0.612	3.6
	Flex	0.914	0.520	3.6
	Flex	0.914	0.533	3.6
19	Solid	0.912	0.653	2.7
18	Solid	1.020	0.816	2.1
	Flex	1.220	0.891	2.3
	Flex	1.200	0.808	2.3
	Flex	1.240	0.957	2.3
	Flex	1.200	0.819	2.3
	Flex	1.200	0.845	2.3
17	Solid	1.150	1.039	1.7
16	Solid	1.290	1.300	1.3
	Flex	1.520	1.420	1.4
	Flex	1.470	1.216	1.4
	Flex	1.500	1.310	1.4
	Flex	1.500	1.300	1.4
	Flex	1.500	1.365	1.4
15	Solid	1.450	1.651	1.0
14	Solid	1.630	2.070	0.8
	Flex	1.850	2.260	0.9
	Flex	1.850	1.930	0.9
	Flex	1.850	2.060	0.9
	Flex	1.850	2.100	0.9
13	Solid	1.830	2.630	0.7
12	Solid	2.050	3.290	0.5
	Flex	2.440	3.610	0.6
	Flex	2.360	3.070	0.6
	Flex	2.410	3.270	0.6
	Flex	2.410	3.300	0.6
11	Solid	2.300	4.155	0.4
10	Solid	2.600	5.230	0.3
	Flex	2.920	4.710	0.4
	Flex	2.950	5.230	0.4
	Flex	2.950	5.355	0.4

Electric Conductor Resistance

Section (mm ²)	Solid copper (Ohm) (Red)	(Tinned)	Flex copper (Ohm) (Red)	(Tinned)
0.14	122	123	132	135
0.20	92	93	100	102
0.22	83	84	91	93
0.25	73	74	78	80
0.35	52.5	53.5	57	59
0.50	36	36.6	39	40
0.75	24.4	24.7	26	26.5
1.00	18	18.2	19.5	20
1.50	12	12.2	13	13.7
2.50	7.4	7.6	8	8.2

Unit Conversion

From	To	Formula	Results
mm	inch	: 25.4	exact
metri	feet	x 0.3048	exact
km	miles	x 0.6214	rounded
Kg	pounds	x 2.204	rounded
kg/km	pounds/1000feet	x 0.67197	rounded
*C	*F	*C x 1.8+32	exact

From	To	Formula	Results
inch	mm	x 25.4	exact
feet	metri	: 0.3048	exact
miles	km	x 1.6093	rounded
pounds	Kg	x 0.4536	rounded
pounds/1000feet	kg/km	x 0.67197	rounded
*F	*C	(*F-32) : 1.8	exact

Standards Guide

Italian Standards	International Standards	Description
CEI 20-11	CNOMO E 03.40.150N	Technical characteristics and test requirements for insulation and sheath compounds of electric cables.
CEI 20-14		PVC insulated cables with rated voltages between 1 kV and 3 kV.
CEI 20-20		PVC insulated cables of rated voltages up to and including 450 / 750 V.
CEI 20-22.III	IEC 332.3C HD 405.3	Fire retardant, it's the aptitude of a single cable, installed in vertical, to avoid the flame propagation.
CEI 20-25		Ultra flexible cables with PVC sheath, suitable for lifts.
CEI 20-27		Signal and energy cable - System for cable designation.
CEI 20-29		Conductors of insulated cables - Guide to the dimensional limits of circular conductors.
CEI 20-34		Common test methods for insulating and sheathing materials of electric cables.
CEI 20-35	MIL C-17 IEC 332.1 VDE 0472 t.804 HD 405.1	Tests on electric cables under fire conditions, installed in vertical, to avoid the flame propagation.
CEI 20-36	IEC 331	Fire-resisting characteristics of electric cables.
CEI 20-37.2	IEC 754-I-DHD 602 VDE 0472 t.813-815	Tests on gases evolved during combustion of electric cables and their compounds, Determination of the amount of halogen acid gases.
CEI 20-37.7	NF C 20-454/HD 60 AFNOR X 70/100	Tests on gases evolved during combustion of electric cables and their compounds, Determination of toxicity index of gases evolved during combustion of electric cables.
CEI 20-37.4/6	IEC 1034/HD 606 VDE 0472 t. 816 ASTM 2565	Measurement of smoke density of materials taken from electric cables burning under defined conditions.
CEI 20-40		Guide to use of low voltage cables.
CEI 20-45		Fire resistant elastomeric insulated cables with rated voltage not exceeding 0,6 / 1 kV.
CEI 46-4		Low frequency cables and wires with PVC insulation and PVC sheath. General tests and measuring methods.
CEI 46-5		Low frequency cables and wires with PVC insulation and PVC sheath. Pairs, terns, quarte, quinte cables for indoor installation.
CEI 64-2		Electrical installations in locations with explosion hazard.
CEI 64-4		Electrical installations in locations used for medical practice.
CEI 64-7		Electrical installations for street lighting and similar applications.
CEI 64-8		Electrical installations of buildings.
CEI 64-11		Electrical installations in furnitures.
CEI 64-50		Electrical and telephonic installation – In situ installation criteria
CEI 11-17		Generation, transmission and distribution systems of electric power - Cables installations.

Key and Glossary Guide

Multiconductor cables Glossary (CEI - UNEL 35011)

Conductor flexibility

U	Drain wire
R	Solid, round stranded conductor
F	Flexible conductor of a cable for fixed installation
FF	Round, very flexible conductor

Insulation quality

E	Thermoplastic polyethylene compound
E4	Cross-linked polyethylene mixture with temperature 85°C
G1	Natural and/or synthetic rubber with temperature 85°C
G4	El2 silicon rubber mixture with temperature 180°C
R	Polyvinylchloride, types T11 e T12 with temperature 70°C
R2	Polyvinylchloride, types R2 quality with temperature 70°C
R3	Polyvinylchloride, with temperature 105°C
R7	Polyvinylchloride, types T13, with temperature 90°C
E	Thermoplastic polyethylene compound
G	Natural and/or synthetic rubber with temperature 60°C, EI1 quality
M	Mineral insulation
M9	Thermoplastic mixture with temperature 70°C (low toxic emissions)

Screen

C	Copper concentric conductor
H	Metallic paper, carbon paper or aluminium tape screen
H1	Tapes twin-lead or wire copper screen
H2	Stranded or braided wire copper screen
H3	Double-stranded or braided wire copper screen

Metallic Armour

A	Aluminium sheath or braid metallic braid armour
F	Cylindrical wires armour, usually in steel
N	Tape armour, usually in steel
Z	Twin-lead armour, usually in steel

Not Metallic Sheaths

E	Polyethylene sheath EY and EY quality
E4	Cross-linked polyethylene sheath, EM4 quality
G	Natural and/or synthetic rubber sheath, Gy quality
M1	Thermoplastic sheath with low emission of smoke and toxic, corrosive gases
M2	Thermoplastic sheath with low emission of smoke and toxic, corrosive gases
M3	Thermoplastic sheath with low emission of smoke and toxic, corrosive gases
M4	Thermoplastic sheath with low emission of smoke and toxic, corrosive gases
R	PVC-based sheath, TM1, TM2 and RZ quality

Cable Shape

O	Round cable with joined cores
D	Flat cable with joined parallel cores
X	Joined cores with visible helix
W	Joined parallel cores with intermediary groove for flat divisible cables

Special components

S	Carrying component, usually metal, joined to the sheath
Y	Textile or metallic carrying component between cores or externally connected to the cable

ITC Glossary

CU	Red Copper
CuSn	Tinned Copper
CuAg	Rame argentato 4%
CW	Copperweld ®
ALMELEC	AL+SI+MG compound
AL 2	Foil AL+PET
AL 3	Foil AL+PET+AL
AL 3/3	Foil AL+PET+AL SUPER
F.CU	Foil Copper
LSZH	Low smoke emission - Halogen Free
PE	Polyethylene low density
PEGJ	Expansion Polyethylene
PE/A	Polyethylene + Air
PP	Polypropylene
PVC	Polyvinyl chloride
PET	Polyester foil
AF	PVC flame-retardant
EX	Reel (plastic)
B o BC	Reel (wood)
M o MC	Skein
MB	UnReel

Fiber Optic Glossary

J/A	Cable suitable for in/outdoor
A	Cable suitable only for outdoor
J	Cable suitable only for indoor
D	Loose Tube
Q	Aramid Fiber
V	Tight
H	Sheath suitable for in/outdoor
2Y	Sheath suitable only for outdoor
HH	Double jackets LSZH suitable for in/outdoor
(ZN)	Standard rodent-protection with strength member
(SR)	Full rodent-protection, corrugated steel tape or steel wire armor

VDE Glossary

Conductor flexibility

Li	Flexible conductor
f	Round, very flexible conductor
re	Semi-solid conductor
e	Solid conductor

Insulation and Sheath Materials

G	Rubber
H	Halogen Free
Y	Polyvinylchloride
2Y	Polyethylene
O2Y	Foam Polyethylene
11Y	Polyurethane

Screen

C	Copper braid
(st)	Aluminium foil
CE	Copper braid (each wire)
PIMF	Aluminium foil (each pair)
D	Spiral winded screening bare copper

Armour

A	For outdoor installations
J	For permanent installations
JE	For permanent installations (Electronic Industries)
-J	Cable with green-yellow ground-core
JZ	Cable with green-yellow ground-core and cores with imprinted numbers
O	Cable without ground-core
OZ	Cable without green-yellow ground-core and cores with imprinted numbers

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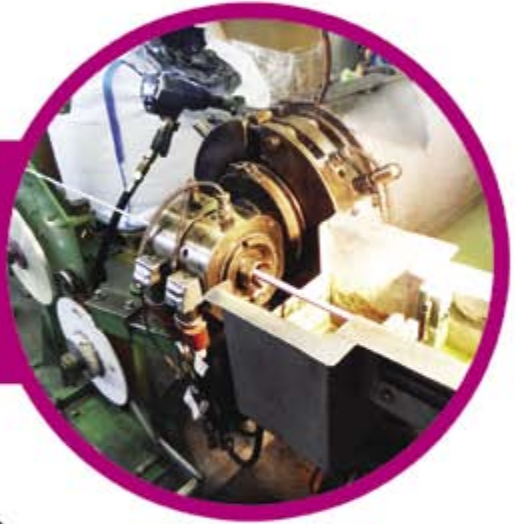
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