

ITC

MASTER CATALOG N°25

Cables and Accessories for all types of signal



Made in Italy
since 1979



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Our History



A **BELDEN** COMPANY



The Belden Group

The group has factories and sales departments all over the world, totalling more than 60 premises specialised in the production of fibre 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.

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

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 9001:2008-certified organisation, the Company can produce cables to meet the most demanding and sophisticated requirements, in full compliance with the EU RoHS standards.

Mit zertifiziertem Qualitätsmanagementsystem
UNI EN ISO 9001:2008



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All cables can be ANTI-RODENT ARMoured



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Coaxial cables

for Terrestrial and Satellite signals

**LTE
PROOF**

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..



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

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.

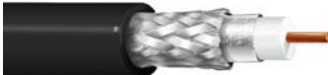
Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
CCS 36 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL36	M100 B1000	15	CW 0.41mm 320 Ohm/km	PEGJ 1.9	AL2 100% CuSn 75% 26 Ohm/Km	3,6	75 ± 5	80%	50	11,4
									230	22,4
									470	32,9
									860	44,8
									1000	48,8
		RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		
5-470 MHz > 30		CEI 20-22.III		Capacity 55 ± 3 pF/m		ACF36		1350	58,0	
470-1000 MHz > 28		CEI 20-37/2/4/6/7				AV122		1750	63,5	
1000-2000 MHz > 26		EN 50117						2000	69,3	
2000-3000 MHz > 24		CEI 12-15						2150	70,9	
		CEI UNEL 36762						2400	75,8	
								3000	84,7	
Coax 0,6 / 2,8 EXTRA 60 Super - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
SA60S°	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	7,7
									230	15,7
									470	23,0
									860	31,9
									1000	34,7
		RL (dB)		Standards		Screening Efficiency > 90 db		Connectors		
5-470 MHz > 32		EN 50117		Capacity 54 ± 2 pF/m		AC123		1350	40,8	
470-1000 MHz > 30		IEC 60332-3-24: Cat C				AV123		1750	47,0	
1000-2000 MHz > 28		IEC 60754-1/2						2000	50,5	
2000-3000 MHz > 26		EN 61034-1-2						2150	52,6	
		CEI UNEL 36762						2400	54,8	
								3000	61,3	
0,8 / 3,5 LSZH - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
SAL59	M100 MB200 B300 B500 B1000	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	5,8
									230	12,0
									470	17,6
									860	24,4
									1000	26,4
		RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		
5-470 MHz > 32		CEI 20-22.III		Capacity 53 ± 2 pF/m		AC-EA		1350	30,3	
470-1000 MHz > 30		CEI 20-37/2/4/6/7				AV121		1750	34,8	
1000-2000 MHz > 28		EN 50117						2000	37,6	
2000-3000 MHz > 26		CEI 12-15						2150	38,9	
		CEI UNEL 36762						2400	41,1	
								3000	45,9	
1,02 / 4,60 DIGITAL LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SA--6	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	4,6
									230	9,6
									470	14,0
									860	19,6
									1000	21,0
		RL (dB)		Standards		Screening Efficiency > 98 db		Connectors		
5-470 MHz > 36		CEI 20-22.III		Capacity 52 ± 2 pF/m		AC-OI		1350	24,2	
470-1000 MHz > 34		CEI 20-37/2/4/6/7				AV124		1750	27,9	
1000-2000 MHz > 30		EN 50117						2000	30,2	
2000-3000 MHz > 28		CEI 12-15						2150	31,2	
		CEI UNEL 36762						2400	33,0	
								3000	36,9	
SAT 300 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL-3	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	4,1
									230	8,6
									470	12,6
									860	17,6
									1000	19,2
		RL (dB)		Standards		Screening Efficiency > 100 db		Connectors		
5-470 MHz > 36		CEI 20-22.III		Capacity 52 ± 2 pF/m		AC-SI		1350	22,3	
470-1000 MHz > 34		CEI 20-37/2/4/6/7				AV125		1750	25,8	
1000-2000 MHz > 30		EN 50117						2000	27,5	
2000-3000 MHz > 28		CEI 12-15						2150	28,6	
		CEI UNEL 36762						2400	30,4	
								3000	33,9	
DIGITAL SAT - LSZH White - Insulation C-4 (U0=400V)										
SA125°	On request	5,7	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3/3 100% CuSn 85% 10 Ohm/Km	6,8	75 ± 2	85%	50	3,7
									230	7,6
									470	11,5
									860	16,9
									1000	18,2
		RL (dB)		Standards		Screening Efficiency > 105 db		Connectors		
5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m		AC-SI		1350	21,7	
470-1000 MHz > 34		CEI 46-1				AV125		1750	24,9	
1000-2000 MHz > 30		CEI 12-15						2000	27,3	
2000-3000 MHz > 28		CEI 20-37 2/4/6/7						2150	27,9	
		CEI UNEL 36762						2400	29,9	
								3000	33,4	

NOTE: 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

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
DIGITAL SAT - Thermoplastic LSZH Black - Insulation C-4 (U0=400V)										
SALDS° 	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
	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							
75 Ohm SAT DIGITAL LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SAL75 	M100 B500 B1000 EX250	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)		Standards		Screening Efficiency > 110 db Capacity 52 ± 2 pF/m		Connectors AC-SI AV125			
	5-470 MHz > 36		CEI 20-22.III							
	470-1000 MHz > 34		CEI 20-37/2/4/6/7							
	1000-2000 MHz > 30		EN 50117							
	2000-3000 MHz > 28		CEI 12-15							
			CEI UNEL 36762							
1,63 / 7,20 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
SA-11 	M100 B250 B500 B1000	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
	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							

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

Class "A+" and "A++" coaxial cables for SAT and DVB-T

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
5 x CCS 36 - Int. Jacket PVC White, Red, Green, Blue, Yellow - Ext. PVC grigio - Insulation C-4 (U0=400V)										
SA365 	M100	12	CW	PEGJ	AL2 100%	11	75 ± 5	85%	50	11,4
	B500		0,41mm	1,9	CuSn 75%				230	22,4
			320 Ohm/km		26 Ohm/Km				470	32,9
									860	44,8
									1000	48,8
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		1350	58,7
	5-470 MHz > 30		EN 50117		Capacity 55 ± 3 pF/m		ACF36		1750	63,5
	470-1000 MHz > 28		CEI 12-15				AV122		2000	69,3
	1000-2000 MHz > 26		CEI UNEL 36762						2150	70,9
	2000-3000 MHz > 24								2400	75,8
									3000	84,7
4 x CCS 36 - Int. Jacket PVC Red, Green, Blue, Yellow - Ext. PVC Blue - Insulation C-4 (U0=400V)										
SA364 	M100	10	CW	PEGJ	AL2 100%	10	75 ± 5	85%	50	11,4
	B500		0,41mm	1,9	CuSn 75%				230	22,4
			320 Ohm/km		26 Ohm/Km				470	32,9
									860	44,8
									1000	48,8
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		1350	58,7
	5-470 MHz > 30		EN 50117		Capacity 55 ± 3 pF/m		ACF36		1750	63,5
	470-1000 MHz > 28		CEI 12-15				AV122		2000	69,3
	1000-2000 MHz > 26		CEI UNEL 36762						2150	70,9
	2000-3000 MHz > 24								2400	75,8
									3000	84,7
CCS 36 DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SA-36 	M100	15	CW	PEGJ	AL2 100%	3,6	75 ± 5	85%	50	11,4
	B500		0,41mm	1,9 ±	CuSn 75%				230	22,4
	B1000		320 Ohm/km	0,05	26 Ohm/Km				470	32,9
									860	44,8
									1000	48,8
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		1350	58,7
	5-470 MHz > 30		EN 50117		Capacity 55 ± 3 pF/m		ACF36		1750	63,5
	470-1000 MHz > 28		CEI 46-1				AV122		2000	69,3
	1000-2000 MHz > 26		CEI 12-15						2150	70,9
	2000-3000 MHz > 24		CEI UNEL 36762						2400	75,8
									3000	84,7
DTT 0,65/2,9 - PVC UV White, Red, Green, Blue, Black - Insulation C-4 (U0=400V)										
DT-65 	M100	1,8	CU 0,65mm	PEGJ	Al/Pet/Al 100%	4,2	75 ± 3	83%	50	7,0
	MB300		53 Ohm/km	2,9	Almelec 65%				230	13,8
					50 Ohm/Km				470	21,0
									860	28,7
									1000	31,1
	RL (dB)		Standards		Screening Efficiency > 95 db		Connectors		1350	36,4
	5-470 MHz > 32		EN 50117		Capacity 53 ± 2 pF/m		ACCAP		1750	41,7
	470-1000 MHz > 30		CEI 46-1						2000	44,6
	1000-2000 MHz > 28		CEI 12-15						2150	46,5
	2000-3000 MHz > 26		CEI UNEL 36762						2400	49,3
									3000	55,0
Coax 0,65 / 2,9 EXTRA 65 DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)										
SA65D° 	On request	2,7	CU 0,65mm	PEGJ	AL3 100%	4,5	75 ± 2	83%	50	7,2
			53 Ohm/km	2,9	CuSn 85%				230	15,4
					20 Ohm/Km				470	22,1
									860	29,6
									1000	32,3
	RL (dB)		Standards		Screening Efficiency > 105 db		Connectors		1350	35,5
	5-470 MHz > 32		EN 50117		Capacity 53 ± 2 pF/m		ACCAP		1750	42,7
	470-1000 MHz > 30		CEI 46-1						2000	45,6
	1000-2000 MHz > 28		CEI 12-15						2150	47,2
	2000-3000 MHz > 26		CEI UNEL 36762						2400	49,5
									3000	55,3
2 x EXTRA 65 DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)										
S65DX° 	On request	6,1	CU 0,65mm	PEGJ	AL3 100%	9,2x4,5	75 ± 2	83%	50	7,2
			53 Ohm/km	2,9	CuSn 91%				230	15,4
					20 Ohm/Km				470	22,1
									860	29,6
									1000	32,3
	RL (dB)		Standards		Screening Efficiency > 105 db		Connectors		1350	35,5
	5-470 MHz > 32		EN 50117		Capacity 53 ± 2 pF/m		ACCAP		1750	42,7
	470-1000 MHz > 30		CEI 46-1						2000	45,6
	1000-2000 MHz > 28		CEI 12-15						2150	47,2
	2000-3000 MHz > 26		CEI UNEL 36762						2400	49,5
									3000	55,3

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

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

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

Class "A+" and "A++" coaxial cables for SAT and DVB-T

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									
4 x CCS 59 - Int. Jacket PVC Red, Green, Blue, Yellow - Ext. PVC Gray - Insulation C-4 (U0=400V)																			
SA594 	B100	15,8	CW 0.81mm 84 Ohm/km	PEGJ 3,5	AL3 100% CuSn 60% 19 Ohm/Km	13,8	75 ± 3	83%	50	5,8									
									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																		
									Connectors	1350									
									AC-EA	1750									
									AV121	2000									
										2150									
										2400									
										3000									
									EXTRA 100 DIGITAL - PVC White - Insulation C-4 (U0=400V)										
									SAD10 	M100	3,6	CU 1,02mm 22 Ohm/km	PEGJ 4,4	AL3 100% CuSn 55% 18 Ohm/Km	6,0	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																		
									Connectors	1350									
									AC-OI	1750									
									AV124	2000									
										2150									
										2400									
										3000									
									TRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
									SATRI 	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	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																		
									Connectors	1350									
									AC-OI	1750									
									AV124	2000									
										2150									
										2400									
										3000									
									1,02/4,6 TRISHIELD AL - PVC White - Insulation C4-(U0=400V)										
									SAMTA 	M100 B500	4,5	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 COP 100% AL 50% AL2 100% 30 Ohm/Km	6,8	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																		
									Connectors	1350									
									AC-OI	1750									
									AV124	2000									
										2150									
										2400									
										3000									
									QUADRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
									SAMQR 	M100	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																		
									Connectors	1350									
									AC-OI	1750									
									AV124	2000									
										2150									
										2400									
										3000									
									QUADRISHIELD GJ - PVC White - Insulation C-4 (U0=400V)										
									SAMQA 	M100 MB250	4,7	CU 1,02mm 22 Ohm/km	PEGJ 4,6	AL2 100% Almelec 60% AL2 100% Almelec 55% 22 Ohm/Km	7,5	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																		
									Connectors	1350									
									AC-OI	1750									
									AV124	2000									
										2150									
										2400									
										3000									

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

Class "A+" and "A++" coaxial cables for SAT and DVB-T

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
COX 1,13 / 4,8 DIGITAL SAT - PVC White - Insulation C-4 (U0=400V)										
SADAL°	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)										
SA 141	M100 MB250	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)										
SAD30	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, Red, Green, Blue, Black, Yellow - Insulation C-4 (U0=400V)										
DT 113	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							
Coax 1,13 / 4,8 SAT DIGITAL - White fire retardant PVC - Insulation C-4 (U0=400V)										
SA 756°	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)	Standards		Screening Efficiency > 110 db Capacity 53 ± 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							
COAX 1,1 / 4,8 DIGITAL SAT - PVC White - Insulation C-4 (U0=400V)										
SA 115°	On request	5,7	CU 1,13mm 18 Ohm/km	PEGJ 4,8	AL3 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
										
										
		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								

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

Class "A+" and "A++" coaxial cables for SAT and DVB-T

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)										
SADDS  	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				1350	21,7
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m				1750	25,1
	470-1000 MHz > 34		CEI 46-1						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)										
SADIS  	M100	4,9	CU 1,13mm	PEGJ 4,8	AL3/3 100% CuSn 60% 16 Ohm/Km	6,8	75 ± 2	85%	50	3,9
	MB250								230	8,4
	B250		18 Ohm/km						470	12,4
									860	17,2
									1000	18,6
	RL (dB)		Standards		Screening Efficiency > 95 db				1350	21,8
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m				1750	25,2
	470-1000 MHz > 34		CEI 46-1						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
75 Ohm SAT DIGITAL - PVC White - Insulation C-4 (U0=400V)										
SA-75  	M100	5,7	CU 1,13mm	PEGJ 4,8	AL3/3 100% CuSn 90% 8 Ohm/Km	6,8	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				1350	21,8
	5-470 MHz > 36		EN 50117		Capacity 52 ± 2 pF/m				1750	25,0
	470-1000 MHz > 34		CEI 46-1						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
SAPAD DIGITAL - PE Black - Insulation C-4 (U0=400V)										
SAPAD  	M100	9	CU 1,63mm	PEGJ 7,2	AL3/3 100% CuSn 70% 8,5 Ohm/Km	10,1	75 ± 2	84%	50	2,8
	B250								230	6,1
	B500		8,6 Ohm/km						470	8,8
	B1000								860	12,3
									1000	13,6
	RL (dB)		Standards		Screening Efficiency > 95 db				1350	16,5
	5-470 MHz > 34		EN 50117		Capacity 53 ± 2 pF/m				1750	17,8
	470-1000 MHz > 32		CEI 46-1						2000	19,1
	1000-2000 MHz > 30		CEI 12-15						2150	19,8
	2000-3000 MHz > 28		CEI UNEL 36762						2400	21,0
									3000	23,5
SAPAD Auto-carrying - PE Black - Insulation C-4 (U0=400V)										
SAPDP  	B500	13	CU 1,63mm	PEGJ 7,2	AL3/3 100% CuSn 70% 8,5 Ohm/Km	10,1x 15,1	75 ± 2	84%	50	2,8
									230	6,1
			8,6 Ohm/km						470	8,8
									860	12,3
									1000	13,6
	RL (dB)		Standards		Screening Efficiency > 95 db				1350	16,5
	5-470 MHz > 34		EN 50117		Capacity 53 ± 2 pF/m				1750	17,8
	470-1000 MHz > 32		CEI 46-1						2000	19,1
	1000-2000 MHz > 30		CEI 12-15						2150	19,8
	2000-3000 MHz > 28		CEI UNEL 36762						2400	21,0
									3000	23,5

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

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)															
SAE65 	M100	2,6	CU 0,65mm	PEGJ	AL3 100%	4,5	75 ± 3	83%	50	7,2					
			53 Ohm/km	2,95	CuSn 55% 33 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					
RL (dB)			Standards		Screening Efficiency > 85 db			Connectors							
5-470 MHz > 32			EN 50117		Capacity 53 ± 2 pF/m			ACCAP							
470-1000 MHz > 30			CEI 46-1												
1000-2000 MHz > 28			CEI 12-15												
2000-3000 MHz > 26			CEI UNEL 36762												

EXTRA 80 - PVC White - Insulation C-4 (U0=400V)										
SAE80	M100 MB300 B500	3,2	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL3 100% CuSn 58% 24 Ohm/Km	5,0	75 ± 3	83%	50 230 470 860 1000	5,8 12,1 17,7 24,5 26,5
	RL (dB) 5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		Standards EN 50117CEI 46-1 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 85 db Capacity 53 ± 2 pF/m			Connectors AC-EA AV121	1350 1750 2000 2150 2400 3000	30,8 34,6 37,8 38,8 40,8 45,6
										

SAD39 - PVC White - Insulation C-4 (U₀=400V)										
SAD39	M100 EX500	2,9	Cu 0,80mm 35,6 Ohm/km	PEGJ 3,5	AL3 100% CuSn 50% 34 Ohm/Km	5,0	75 ± 3	83%	50 230 470 860 1000	6,0 12,9 18,4 24,9 26,8
		RL (dB) 5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26	Standards EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762	Screening Efficiency > 85 db Capacity 53 ± 2 pF/m				Connectors ACF36 AV122	1350 1750 2000 2150 2400 3000	31,2 35,5 37,9 39,3 41,5 46,4

[illegible]

CCS 59 (Also 5 colors in a box) - PVC White, Red, Green, Blue, Yellow - Insulation C-4 (U0=400V)										
SA-59	M100 M200 MB300 B500	3,2	CW 0,81mm 84 Ohm/km	PEGJ 3,5	AL3 100% CuSn 55% 19 Ohm/Km	5,0	75 ± 3	83%	50 230 470 860 1000	5,8 12,0 17,6 24,4 26,4
	RL (dB) 5-470 MHz > 32 470-1000 MHz > 30 1000-2000 MHz > 28 2000-3000 MHz > 26		Standards EN 50117 CEI 46-1 CEI 12-15 CEI UNEL 36762		Screening Efficiency > 85 db Capacity 53 ± 2 pF/m			Connectors AC-EA AV121	1350 1750 2000 2150 2400 3000	30,3 34,8 37,6 38,9 40,8 45,6
										

[illegible]

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SAT and DVB-T coaxial cables

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)										
SAAM1 	M100 B300	3,2	CU 1,02mm	PEGJ 4,4	AL3 100% Almelec 40% 37 Ohm/Km	6,2	75 ± 2	85%	50	4,6
			22 Ohm/km						230	9,6
									470	14,0
									860	19,6
									1000	21,0
									1350	24,9
									1750	28,6
									2000	31,0
									2150	32,0
									2400	33,8
									3000	37,8
		RL (dB)	Standards		Screening Efficiency > 75 db			Connectors		
		5-470 MHz > 36	EN 50117		Capacity 52 ± 2 pF/m			AC-OI		
		470-1000 MHz > 34	CEI 46-1							
		1000-2000 MHz > 30	CEI 12-15							
		2000-3000 MHz > 28	CEI UNEL 36762							
SAD29 Classe A - PVC White - Insulation C-4 (U0=400V)										
SAD29 	M100 EX300	4	CU 1,13mm	PEGJ 4,8	AL3 100% CuSn 40% 35 Ohm/Km	6,6	75 ± 2	85%	50	4,1
			18 Ohm/km						230	8,6
									470	12,6
									860	17,6
									1000	19,2
									1350	22,4
									1750	26,0
									2000	27,8
									2150	28,7
									2400	30,5
									3000	34,1
		RL (dB)	Standards		Screening Efficiency > 85 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							
SAT 300 - PVC White - Insulation C-4 (U0=400V)										
SA300 	M100 MB250 B300 B1000	4,1	CU 1,13mm	PEGJ 4,8	AL3 100% CuSn 50% 20 Ohm/Km	6,7	75 ± 2	85%	50	4,1
			18 Ohm/km						230	8,6
									470	12,6
									860	17,6
									1000	19,2
									1350	22,4
									1750	26,0
									2000	27,8
									2150	28,7
									2400	30,5
									3000	34,1
		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							
SAA29 1,13/4,8 ALL - PVC White - Insulation C-4 (U0=400V)										
SAA29 	M100 EX300	3,6	CU 1,13mm	PEGJ 4,8	AL3 100% Almelec 40% 30 Ohm/Km	6,6	75 ± 3	84%	50	4,1
			18 Ohm/km						230	8,6
									470	12,6
									860	17,6
									1000	19,2
									1350	22,4
									1750	26,0
									2000	27,8
									2150	28,7
									2400	30,5
									3000	34,1
		RL (dB)	Standards		Screening Efficiency > 80 db			Connectors		
		5-470 MHz > 36	EN 50117		Capacity 52 ± 3 pF/m			AC-SI		
		470-1000 MHz > 34	CEI 46-1					AV125		
		1000-2000 MHz > 30	CEI 12-15							
		2000-3000 MHz > 28								
AMEL SAT - PVC White - Insulation C-4 (U0=400V)										
SAAMS 	M100 MB250 B300	3,1	CCA 1,13mm	PEGJ 4,8	AL3 100% Almelec 31% 37 Ohm/Km	6,7	75 ± 2	85%	50	4,1
			26 Ohm/km						230	8,6
									470	12,6
									860	17,6
									1000	19,2
									1350	22,4
									1750	26,0
									2000	27,8
									2150	28,7
									2400	30,5
									3000	34,1
		RL (dB)	Standards		Screening Efficiency > 75 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							
SAT 300 Auto-carrying - PE Black - Insulation C-4 (U0=400V)										
SA3AP 	M100 B500	5,6	CU 1,13mm	PEGJ 4,8	AL3 100% CuSn 50% 20 Ohm/Km	6,7x10,2	75 ± 2	85%	50	4,1
			18 Ohm/km						230	8,6
									470	12,6
									860	17,6
									1000	19,2
									1350	22,4
									1750	26,0
									2000	27,8
									2150	28,7
									2400	30,5
									3000	34,1
		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							

NOTE: 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.

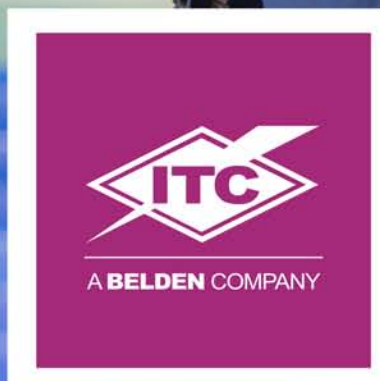
Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
EXTRA 80 DIGITAL Double Jackets - Int. Jacket PVC White - Ext. PE Black - Insulation C-4 (U0=400V)										
SA8DD 	M100	4	CU 0,80mm	PEGJ	AL3 100%	6,5	75 ± 3	83%	50	5,8
	MB300		35 Ohm/km	3,5	CuSn 75% 16 Ohm/Km				230	12,0
	RL (dB)		Standards	Screening Efficiency > 95 db	Connectors				470	17,6
	5-470 MHz > 32		EN 50117	Capacity 53 ± 2 pF/m	AC-EA				860	24,4
	470-1000 MHz > 30		CEI 46-1		AV121				1000	26,3
	1000-2000 MHz > 28		CEI 12-15						1350	30,3
	2000-3000 MHz > 26		CEI UNEL 36762						1750	34,6
									2000	37,6
									2150	38,6
									2400	40,6
				3000	45,4					
BLINDO 6 Armured Foil + water swellable tape - Int. Jacket PE - Ext. PE Black - Insulation C-4 (U0=400V)										
CA-T6 	M100	8	CU 1,02mm	PEGJ	AL3 100%	10,6	75 ± 2	85%	50	4,6
	B500		22 Ohm/km	4,4	CuSn 70% 18 Ohm/Km				230	9,6
	1000								470	14,0
	RL (dB)		Standards	Screening Efficiency > 110 db	Connectors				860	19,6
	5-470 MHz > 36		EN 50117	Capacity 52 ± 2 pF/m	AC-OI				1000	21,0
	470-1000 MHz > 34		CEI 46-1		AV124				1350	24,8
	1000-2000 MHz > 30		CEI 12-15						1750	28,5
	2000-3000 MHz > 28		CEI UNEL 36762						2000	30,9
									2150	31,9
									2400	33,7
				3000	37,7					
SAT 300 Double Jackets - Int. Jacket PE Neutral - Ext. PVC Black - Insulation C-4 (U0=400V)										
SA30D 	M100	6	CU 1,13mm	PEGJ	AL3 100%	7,7	75 ± 2	85%	50	4,1
	B250		18 Ohm/km	4,8	CuSn 50% 20 Ohm/Km				230	8,6
	B500								470	12,6
	B1000								860	17,6
	RL (dB)		Standards	Screening Efficiency > 90 db	Connectors				1000	19,2
	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					
75 Ohm SAT DIGITAL Double Jackets - Int. Jacket PE Neutral - Ext. PVC Black - Insulation C-4 (U0=400V)										
SA75D 	M100	7,3	CU 1,13mm	PEGJ	AL3/3 100%	8,0	75 ± 2	85%	50	3,9
	B500		18 Ohm/km	4,8	CuSn 90% 8 Ohm/Km				230	8,4
	B1000								470	12,3
	RL (dB)		Standards	Screening Efficiency > 105 db	Connectors				860	17,2
	5-470 MHz > 36		EN 50117	Capacity 52 ± 2 pF/m	AC-SI				1000	18,5
	470-1000 MHz > 34		CEI 46-1		AV125				1350	21,7
	1000-2000 MHz > 30		CEI 12-15						1750	25,1
	2000-3000 MHz > 28		CEI UNEL 36762						2000	27,3
									2150	28,2
									2400	30,0
				5500	46,0					
BLINDO 3 Armured Foil + water swellable tape - Int. Jacket PE - Ext. PE Black - Insulation C-4 (U0=400V)										
CA-T3 	M100	16,2	CU 1,63mm	PEGJ	AL3 100%	13,5	75 ± 2	85%	50	3,0
	B500		8,6 Ohm/km	7,2	CuSn 65% 8,5 Ohm/Km				230	6,2
	1000								470	9,3
	RL (dB)		Standards	Screening Efficiency > 110 db	Connectors				860	12,8
	5-470 MHz > 34		EN 50117	Capacity 53 ± 2 pF/m	ACG11				1000	14,0
	470-1000 MHz > 32		CEI 46-1		ACV11				1350	16,3
	1000-2000 MHz > 30		CEI 12-15						1750	17,9
	2000-3000 MHz > 28		CEI UNEL 36762						2000	19,3
									2150	20,2
									2400	21,4
				3000	23,9					
COAX 4 FB14 PE - PE Black - Insulation C-4 (U0=400V)										
CX4C0 	B500	17	CU 2,23mm	PEGJ	CU 100%	13,8	75 ± 3	82%	50	1,9
	1000		4,5 Ohm/km	10,2	CuSn 60% 4,5 Ohm/Km				230	4,2
	RL (dB)		Standards	Screening Efficiency > 100 db					470	6,4
	100-300MHz > 26		EN 50117	Capacity 54 ± 2 pF/m					860	9,1
	300-900MHz > 23		IEC 1196						1000	10,0
	900-2150MHz > 18		CEI UNEL 36762						1350	11,9
									1750	13,9
									2150	15,7
									2400	16,8
									3000	17,9

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



Video Broadcast and HDTV

Double shield 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
TRIAX 8 Flex - Int. Jacket PU Neutral - Ext. PVC fire retardant Red										
TRI8F° 	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	0,6
									5	1,4
									10	2,2
									20	3,1
									40	4,5
	RL (dB)		Standards		Screening Efficiency > 75 db				50	5,0
	100-300MHz > 35		IEC 60332-1		Capacity 53 ± 2 pF/m				100	7,4
	300-1000MHz > 30								300	13,5
TRIAX 8 PVC - Int. Jacket PE Neutral - Ext. PVC fire retardant Red										
TRI-8° 	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	0,6
									2	0,9
									5	1,4
									10	2,0
									20	2,9
	RL (dB)		Standards		Screening Efficiency > 75 db				40	4,2
	100-300MHz > 37		CEI 20-22.III		Capacity 53 ± 2 pF/m				50	4,7
	300-1000MHz > 35		EN 50117						100	6,7
	1-2,4 GHz > 28		CEI 46-1						300	12,0
	2,4-3,0 GHz > 25		CEI 12-15							
TRIAX 11 Flex - Int. Jacket PU Neutral - Ext. PVC AF Red										
TRI-F° 	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
	RL (dB)		Standards		Screening Efficiency > 75 db				50	3,6
	100-300MHz > 35		IEC 60332-1		Capacity 54 ± 2 pF/m				100	5,3
	300-1000MHz > 30								300	10,1
TRIAX11 - Int. Jacket PE Neutral - Ext. PVC fire retardant Red										
TRIAX° 	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
	RL (dB)		Standards		Screening Efficiency > 75 db				100	5,1
	100-300MHz > 37		IEC 60332-1		Capacity 54 ± 2 pF/m				300	9,7
	300-1000MHz > 35									
TRIAX 14 - Int. Jacket PE Neutral - Ext. PE Red										
TRI14° 	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
	RL (dB)		Standards		Screening Efficiency > 75 db				40	2,5
	0-1000MHz > 33		EN 50117		Capacity 54 ± 2 pF/m				50	2,8
			CEI 46-1						60	3,1
			CEI 12-15						100	4,1
			IEC60332-1						300	7,5
Coax 1,2L / 4,9 Flex HDTV PVC - PVC fire retardant Black - Insulation C-4 (U0=400V)										
HD74F° 	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	0,7
									5	1,6
									10	2,2
									100	7,0
									135	8,2
	RL (dB)		Standards		Screening Efficiency > 92 db				200	10,0
	5-470 MHz > 34		EN 50117		Capacity 53 ± 2 pF/m				270	11,7
	470-1000 MHz > 32		CEI 46-1						500	15,6
	1000-2000 MHz > 30		IEC 60332-1						1000	22,8
	2000-3000 MHz > 28									



NOTE: 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 3 x 0,6 / 2,8 HDTV - Int. Jacket LSZH Red, Green, Blue - Ext. Thermoplastic LSZH Black - Insulation C-4 (U0=400V)											
SA6H3°		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 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					
		5-470 MHz > 32		CEI UNEL 36762		Capacity 54 ± 2 pF/m					
		470-1000 MHz > 30		EN 50117							
		1000-2000 MHz > 28		EN 61034-1/2							
2000-3000 MHz > 26		IEC 60332-3-24: Cat C									
		IEC 60754-1/2									
											
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)											
SA6S5°		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 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 > 95 db					
		5-470 MHz > 32		EN 50117		Capacity 54 ± 2 pF/m					
		470-1000 MHz > 30		IEC60332-1-2							
		1000-2000 MHz > 28		CEI UNEL 36762							
2000-3000 MHz > 26											
											
Coax 0,6 / 2,8 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)											
SA6SS°		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		Connectors			
		5-470 MHz > 32		CEI UNEL 36762		Capacity 54 ± 2 pF/m		AC123			
		470-1000 MHz > 30		IEC 60754-1 (CEI 20-37/1)				AV123			
		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)											
SA8SS°		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		Connectors			
		5-470 MHz > 32		CEI 12-15		Capacity 54 ± 2 pF/m		AC-EA			
		470-1000 MHz > 30		CEI 46-1				AV121			
		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)											
SALD1°		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	0,8 1,5 2,1 6,2 7,3 9,0 10,2 14,3 21,3
		RL (dB)		Standards		Screening Efficiency > 105 db					
		5-470 MHz > 36		CEI UNEL 36762		Capacity 53 ± 2 pF/m					
		470-1000 MHz > 34		IEC 60754-1 (CEI 20-37/1)							
		1000-2000 MHz > 30		EN 61034-1-2							
2000-3000 MHz > 28		IEC 60332-3-24: Cat C									
											
Coax 1,63 / 7,20 HDTV - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)											
SA63S°		On request	9,2	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 5 10 100 135 200 270 500 1000	0,4 1,0 1,4 4,0 4,6 5,8 7,0 9,5 13,8
		RL (dB)		Standards		Screening Efficiency > 105 db					
		5-470 MHz > 34		CEI UNEL 36762		Capacity 53 ± 2 pF/m					
		470-1000 MHz > 32		IEC 60754-1 (CEI 20-37/1)							
		1000-2000 MHz > 30		IEC 60754-2 (CEI 20-37/2)							
2000-3000 MHz > 28		EN 61034-2 (CEI 20-37/3)									
		IEC 60332-3-24: Cat C (CEI 20-22-III)									
											

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



RG Cables

Distribution of analog video signals and radio frequency for transceiver's antennas



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										
MIN59 	B500	2	CU 0,45mm	PEGJ	CU 95%	3,6	75 ± 2	80%	1	1,4
	B1000		2,15	13 Ohm/Km	5				2,9	
					10				4,2	
					50				9,8	
					200				19,6	
RL (dB)			Standards	Screening Efficiency > 50 db				400	28,2	
100-300MHz		> 30	CEI 20-22 III	Capacity 55 ± 2 pF/m				700	38,1	
300-900MHz		> 30	CEI 46-1					1000	47,5	
RG 59 M-17/29 - PVC Black										
RG59B 	M100	5	CW	PE 3,7	CU 94%	6,2	75 ± 2	66%	50	7,7
	MB300		0,58mm	14 Ohm/Km	230				18,2	
	B350		160 Ohm/km	470	26,6					
	B500			860	36,1					
	B1000			1000	38,5					
RL (dB)			Standards	Screening Efficiency > 50 db		Connectors				
100-300MHz		> 35	MIL C-17	Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz		> 30								
RG 59 B/U - PVC Black										
TY-59 	M100	5,2	CW	PE 3,7	CU 80%	6,2	75 ± 2	66%	50	7,9
	B350		0,58mm	14 Ohm/Km	230				18,6	
	B500		160 Ohm/km	470	26,8					
	B1000			860	36,5					
				1000	38,8					
RL (dB)			Standards	Screening Efficiency > 50 db		Connectors				
100-300MHz		> 35	MIL C-17 p.q.a.	Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz		> 30	CEI 46-1							
RG 59 B/U LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL59 	M100	6,2	CW	PE 3,7	CU 94%	6,2	75 ± 2	66%	50	7,7
	B500		0,58mm	9 Ohm/Km	230				18,2	
	B1000		160 Ohm/km	470	26,6					
				860	36,1					
				1000	38,5					
RL (dB)			Standards	Screening Efficiency > 55 db		Connectors				
100-300MHz		> 35	CEI 20-22.III	Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz		> 30	CEI 20-35 CEI 20-37/2/4/6/7 MIL C-17 CEI UNEL 36762							
RG 59 Double Jackets - Int. Jacket PE Neutral - Ext. PVC Black - Insulation C-4 (U0=400V)										
TY59D 	M100	6,3	CW	PE 3,7	CU 94%	6,7	75 ± 2	66%	50	7,9
	B500		0,58mm	9 Ohm/Km	230				18,6	
	B1000		160 Ohm/km	470	26,8					
				860	36,5					
				1000	38,8					
RL (dB)			Standards	Screening Efficiency > 55 db		Connectors				
100-300MHz		> 35	MIL C-17 p.q.a.	Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz		> 30	CEI 46-1 CEI UNEL 36762							
RG 59 Double Shielded - PVC Black										
TY59S 	M100	6,6	CW	PE 3,7	CU 94%	6,7	75 ± 2	66%	50	7,9
	B500		0,58mm	CU 93%	230				18,6	
	B1000		160 Ohm/km	7 Ohm/Km	470				26,8	
					860				36,5	
					1000				38,8	
RL (dB)			Standards	Screening Efficiency > 70 db		Connectors				
100-300MHz		> 35	CEI 46-1	Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz		> 30								

NOTE: 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 59 T - PVC Black										
TY59T 	M100	4,9	CU 0,60mm	PE 3,7	CU 65% 22 Ohm/Km	6,2	75 ± 2	66%	50	7,9
	B500								230	18,6
	B1000		59 Ohm/km						470	26,8
									860	36,5
									1000	38,8
	RL (dB)		Standards		Screening Efficiency > 48 db				Connectors	
	100-300MHz > 35		CEI 46-1		Capacity 67 ± 2 pF/m				ACBAB	
	300-900MHz > 30									
RG 6 M-17/2 - PVC Black										
RG-6A 	M100	11,3	CW	PE 4,8	CuAg 95% CU 90% 4,4 Ohm/Km	8,5	75 ± 2	67%	50	6,3
	B1000		0,72mm						230	14,0
			106 Ohm/km						470	21,0
									860	27,1
									1000	32,3
	RL (dB)		Standards		Screening Efficiency > 70 db				Connectors	
	100-300MHz > 35		MIL C-17		Capacity 66 ± 2 pF/m				ACG11	
	300-900MHz > 30									
										
RG 11 M-17/6 - PVC Black										
RG11A 	M100	12,7	CuSn	PE 7,2	CU 94% 4,2 Ohm/Km	10,3	75 ± 3	66%	50	5,2
	B500		7x0,4mm						230	11,5
	B1000		20,5 Ohm/km						470	17,0
									860	20,5
									1000	25,6
	RL (dB)		Standards		Screening Efficiency > 60 db				Connectors	
	100-300MHz > 35		MIL C-17		Capacity 67 ± 2 pF/m				ACG11	
	300-900MHz > 30									
										
RG 11 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL11 	M100	13	CuSn	PE 7,2	CU 94% 4,2 Ohm/Km	10,3	75 ± 2	66%	50	5,2
	B500		7x0,4mm						230	11,5
	B1000		20,5 Ohm/km						470	17,0
									860	20,5
									1000	25,6
	RL (dB)		Standards		Screening Efficiency > 60 db				Connectors	
	100-300MHz > 35		CEI 20-22.III		Capacity 67 ± 2 pF/m				ACG11	
	300-900MHz > 30		CEI 20-35							
			CEI 20-37/2/4/6/7							
			MIL C-17							
			CEI UNEL 36762							
										
RG 11 Double Jackets - Int. Jacket PE Neutral - Ext. PVC Black - Insulation C-4 (U0=400V)										
RG11D 	M100	17	CuSn	PE 7,2	CU 94% 4,2 Ohm/Km	13,3	75 ± 3	66%	50	5,2
			7x0,4mm						230	11,5
			20,5 Ohm/km						470	17,0
									860	20,5
									1000	25,6
	RL (dB)		Standards		Screening Efficiency > 60 db				Connectors	
	100-300MHz > 35		CEI 46-1		Capacity 67 ± 2 pF/m				ACG11	
	300-900MHz > 30		CEI UNEL 36762							
										

NOTE: 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										
RG174  	M100	1,5	CW	PE 1,5	CUST 94% 22 Ohm/Km	2,7	50 ± 3	66%	50	18,1
	B500		7x0,16mm						230	40,2
	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 A/U - PVC Black										
TY-58 	M100	3,2	CuSn	PE 2,95	CuSn 75% 22 Ohm/Km	5,0	50 ± 2	66%	50	11,0
	B500		19x0,18mm						230	24,1
	B1000		38 Ohm/km						470	40,8
									860	54,3
									1000	59,1
RL (dB)		Standards	Screening Efficiency > 45 db		Connectors					
100-300MHz > 35		CEI 46-1	Capacity 98 ± 2 pF/m		ACBAA					
300-900MHz > 30										
RG 58 R - PVC Black										
TY58R 	M100	3	CU	PE 2,95	CU 65% 28 Ohm/Km	5,0	50 ± 2	66%	50	11,3
	B500		19x0,18mm						230	24,5
	B1000		38 Ohm/km						470	41,4
									860	55,5
									1000	62,0
RL (dB)		Standards	Screening Efficiency > 38 db		Connectors					
100-300MHz > 35		CEI 46-1	Capacity 98 ± 2 pF/m		ACBAA					
300-900MHz > 30										
RG 58 M-17/28 - PVC Black										
RG58C  	M100	3,7	CuSn	PE 2,95	CuSn 92% 17 Ohm/Km	5,0	50 ± 2	66%	50	10,4
	B500		19x0,18mm						230	23,3
	B1000		38 Ohm/km						470	36,5
									860	52,2
									1000	57,8
RL (dB)		Standards	Screening Efficiency > 55 db		Connectors					
100-300MHz > 35		MIL C-17	Capacity 98 ± 2 pF/m		ACBAA					
300-900MHz > 30										
RG 58 C/U LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL58  	M100	3,8	CuSn	PE 2,95	CuSn 92% 17 Ohm/Km	5,0	50 ± 2	66%	50	10,4
	B1000		19x0,18mm						230	23,3
			38 Ohm/km						470	36,5
									860	52,2
									1000	57,8
RL (dB)		Standards	Screening Efficiency > 55 db		Connectors					
100-300MHz > 35		CEI 20-22.III CEI 20-35 CEI 20-37/2/4/6/7 MIL C-17 CEI UNEL 36762	Capacity 98 ± 2 pF/m		ACBAA					
300-900MHz > 30										
RG 223 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL23  	B1000	5,3	CuAg	PE 2,95	CuAg 95% CuAg 90% 4,5 Ohm/Km	5,3	50 ± 2	66%	50	10,5
			0,90mm						230	23,6
			28,0 Ohm/km						470	33,8
									860	43,9
									1000	54,2
RL (dB)		Standards	Screening Efficiency > 70 db		Capacity 98 ± 2 pF/m					
100-300MHz > 35		CEI 20-22.III CEI 20-35 CEI 20-37/2/4/6/7 MIL C-17 CEI UNEL 36762								
300-900MHz > 30										

NOTE: 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 223 M-17/84 - PVC Black										
RG223  	M100	5,3	CuAg	PE 2,95	CuAg 95% CuAg 90% 4,5 Ohm/Km	5,4	50 ± 2	66%	50	10,5
	B500		0,90mm						230	23,6
	B1000		28 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)										
RGL13  	M100	15,0	CU	PE 7,2	CU 94% 4,2 Ohm/Km	10,3	50 ± 2	66%	50	4,8
	B500		7x0,75mm						230	10,2
	B1000		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 20-37/2/4/6/7							
			MIL C-17							
			CEI UNEL 36762							
RG 213 M-17/74 - PVC Black										
RG213  	M100	15	CU	PE 7,2	CU 94% 5,9 Ohm/Km	10,3	50 ± 2	66%	50	4,8
	B500		7x0,75mm						230	10,2
	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									
RG 214 LSZH - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
RGL14  	M100	17,8	CuAg	PE 7,2	CuAg 95% CuAg 90% 3,1 Ohm/Km	10,8	50 ± 2	66%	50	4,3
	B500		7x0,75mm						230	9,2
	B1000		6,0 Ohm/km						470	13,6
									860	20,9
									1000	23,0
	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 20-37/2/4/6/7							
			MIL C-17							
			CEI UNEL 36762							
RG 214 M-17/75 - PVC Black										
RG214  	M100	17,8	CuAg	PE 7,2	CuAg 95% CuAg 90% 3,1 Ohm/Km	10,8	50 ± 2	66%	50	4,3
	B500		7x0,75mm						230	9,2
	B1000		5,7 Ohm/km						470	13,6
									860	20,9
									1000	23,0
	RL (dB)		Standards		Screening Efficiency > 70 db					
	100-300MHz > 35		MIL C-17		Capacity 98 ± 2 pF/m					
	300-900MHz > 30									
RG 213 PEE Bassa perdita - PE Black - Insulation C-4 (U0=400V)										
TY13P 	M100	12,8	CU 2,50mm	PEE 7,2	F.CU 100% CU 65% 6 Ohm/Km	10,3	50 ± 3	80%	50	2,9
	B500								230	6,9
	B1000		3,6 Ohm/km						470	10,2
									860	13,8
									1000	16,8
	RL (dB)		Standards		Screening Efficiency > 90 db					
	100-300MHz > 30		CEI 46-1		Capacity 78 ± 2 pF/m					
	300-900MHz > 28		CEI UNEL 36762							

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

50 Ohm RG Cables - LOW LOSS

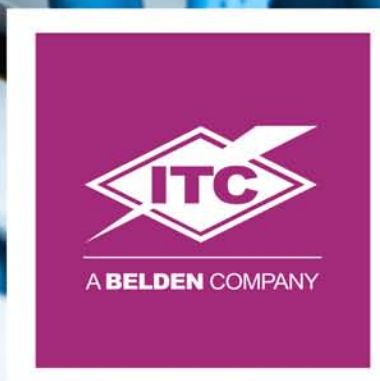
Cables for wireless applications, ideal for Mobile Telephony and Broadband.

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)										
TY58A 	M100	3,2	CuSn	PEGJ	AL3 100%	5,0	50 ± 3	80%	50	8,2
	B500		19x0,2mm	2,9	CuSn 82%				100	11,5
	B1000		38 Ohm/km		18 Ohm/Km				230	16,3
									470	24,8
									860	38,2
	RL (dB)		Standards		Screening Efficiency > 80 db			Connectors	1000	42,9
	50-470MHz> 33		IEC 60332-1		Capacity 82 ± 2 pF/m			ACBAA	2000	50,5
	470-1000MHz> 30		CEI UNEL 36762						3000	62,5
	1000-2000MHz> 25									
	2000-3000MHz> 20									
1,37/4,0 LSZH Low Loss - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
TY134 	M100	4,7	Cu 1,37mm	PEGJ	AL3 100%	6,3	50 ± 3	84%	50	5,7
	B500			4,0	CuSn 93%				100	8,0
			11,6 Ohm/km		8,8 Ohm/Km				230	12,3
									470	17,6
									860	23,8
	RL (dB)		Standards		Screening Efficiency > 87 db				1000	25,9
	50-470MHz> 33		IEC 60332-1		Capacity 83 ± 2 pF/m				2000	37,9
	470-1000MHz> 30		IEC 60754-1/2						3000	47,0
	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)										
TY13F° 	On request	14	CU	PEGJ	CU/Pet 100%	10,3	50 ± 3	82%	10	1,7
			7x0,9mm	7,25	CU 82%				50	3,8
			3,7 Ohm/km		6 Ohm/Km				100	4,6
									230	6,9
									500	10,8
	RL (dB)		Standards		Screening Efficiency > 90 db				1000	16,0
	30-300MHz >30		IEC 60332-1		Capacity 74 ± 2 pF/m				2000	24,1
	300-900MHz >27		CEI UNEL 36762						3000	31,0
	900-3000MHz >23									
RF 2,6 / 7,2 Low Loss - PVC Black										
H1000C0 	M100	9	CU 2,6mm	PEGJ	CU 100%	10,3	50 ± 3	83%	50	2,8
	B500			7,15	CU 50%				100	4,0
	B1000		3,5 Ohm/km		8,8 Ohm/Km				230	6,1
									470	9,1
									860	13,5
	RL (dB)		Standards		Screening Efficiency > 100 db				1000	14,0
	50-470MHz> 33		IEC 60332-1		Capacity 80 ± 2 pF/m				2000	21,7
	470-1000MHz> 20								3000	26,4
	1000-2000MHz> 18									
	2000-3000MHz> 16									

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



LAN Cables



LAN cables (Cat. 5e)

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 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
	Imped.: 100 ± 15 Ohm					31,2	11,2	51,0	49,0	39,0	35,0
	Velocity Ratio: 70%					62,5	16,0	47,0	45,0	33,0	32,0
	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 PE - PE Nero anti UV											
1583EPE 	M100	2,8	CU 0,51mm	5,1	ISO/IEC 11801 D	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	1	1,9	73,0	71,0	71,0	33,0	
						EIA/TIA 568 C2	4	3,9	64,0	62,0	59,0	34,0
						EN 50173	10	6,2	58,0	56,0	51,0	42,0
						IEC 332.1	16	7,9	55,0	53,0	46,0	42,0
						IEC 754-2	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	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
	Imped.: 100 ± 15 Ohm	31,2	10,8	49,0	47,0	41,0	35,0																			
	Velocity Ratio: 70%	62,5	15,0	45,0	43,0	37,0	32,0																			
	Capacity: 50 pF/m	100	19,3	43,0	41,0	33,0	29,0																			
	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	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
	Imped.: 100 ± 15 Ohm	31,2	10,8	49,0	47,0	41,0	35,0				
	Velocity Ratio: 70%	62,5	15,0	45,0	43,0	37,0	32,0				
	Capacity: 50 pF/m	100	19,3	43,0	41,0	33,0	29,0				
	Foil: AL/Pet 100 %										

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	1	2,0	70,0	68,0	73,0	33,0		
							79 Ohm/km	EIA/TIA 568 C2	4	3,8	62,0	60,0	61,0	34,0
								EN 50173	10	6,0	57,0	55,0	53,0	42,0
								IEC 332.1	16	7,6	54,0	52,0	47,0	42,0
								IEC 754-2	20	8,5	52,0	50,0	45,0	41,0
	Imped.: 100 ± 15 Ohm	31,2	10,8	49,0	47,0	41,0	35,0							
	Velocity Ratio: 70%	62,5	15,0	45,0	43,0	37,0	32,0							
	Capacity: 50 pF/m	100	19,3	43,0	41,0	33,0	29,0							
	Foil: AL/Pet 100 %													

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

LAN cables (Cat. 5e)

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 24 S(FTP) Cat.5E ENHANCED - PVC fire retardant Gray											
1633ES 	B500	4,5	CU 0,51mm 79 Ohm/km	6,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1	1	2,0	72,0	65,0	64,3	20,0
						4	4,0	62,0	57,0	52,2	23,0
						10	6,2	56,0	50,0	44,3	25,0
						16	7,9	53,0	47,0	41,5	25,0
						20	8,9	51,0	45,0	38,2	25,0
						31,2	11,3	48,0	43,0	34,4	23,3
						62,5	16,4	43,0	38,0	28,3	20,7
						100	21,2	41,0	35,0	24,3	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 79 Ohm/km	6,3	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 IEC 754-2	1	2,0	72,0	65,0	64,3	20,0
						4	4,0	62,0	57,0	52,2	23,0
						10	6,2	56,0	50,0	44,3	25,0
						16	7,9	53,0	47,0	41,5	25,0
						20	8,9	51,0	45,0	38,2	25,0
						31,2	11,3	48,0	43,0	34,4	23,3
						62,5	16,4	43,0	38,0	28,3	20,7
						100	21,2	41,0	35,0	24,3	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 FLEX Cat.5 - PVC fire retardant Gray											
44U7Y 	M100 B300 B1000	3,6	CU 7x0,2mm 79 Ohm/km	5,5	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1	2,0	83,0			20,0
						4	4,3	73,0			23,0
						10	7,1	65,0			25,0
						16	9,2	63,0			25,0
						20	10,3	59,0			25,0
						31,2	13,2	56,0			23,3
						62,5	19,3	53,0			20,7
						100	25,0	51,0			19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m											
5 CAT											
4 x 2 x AWG 24 FTP FLEX Cat.5 - PVC fire retardant Gray											
44F7Y 	M100 B1000	4,6	CU 7x0,2mm 79 Ohm/km	6,0	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1	2,0	83,0			20,0
						4	3,6	73,0			23,0
						10	6,5	65,0			25,0
						16	8,2	63,0			25,0
						20	9,1	59,0			25,0
						31,2	11,6	56,0			23,3
						62,5	16,5	53,0			20,7
						100	21,1	51,0			19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 %											
5 CAT											
4 x 2 x AWG 24 S(FTP) FLEX - PVC fire retardant Gray											
44S7Y 	M100 B300 B500 B1000	4,6	CU 7x0,20mm 79 Ohm/km	6,2	ISO/IEC 11801 EIA/TIA 568 EN 50173 IEC 332.1	1	2,12	83,0			20,0
						4	3,7	73,0			23,0
						10	6,5	65,0			25,0
						16	8,1	63,0			25,0
						20	9,0	59,0			25,0
						31,2	11,6	56,0			23,3
						62,5	16,5	53,0			20,7
						100	20,9	51,0			19,0
Imped.: 100 ± 15 Ohm Velocity Ratio: 68% Capacity: 49 pF/m Foil: AL/Pet 100 % Braid: CuSn 65 %											
5 CAT											

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

LAN cables (Cat. 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 UTP Cat.6 - PVC fire retardant Gray												
7965E		B305	3,7	CU 0,6mm	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
		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 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 23 FTP Cat.6 LSZH Bonded Pairs - Thermoplastic LSZH Gray												
7860ENH		B500	5,1	CU 0,6mm	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												
7965ENH		B305	3,7	CU 0,6mm	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
		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 23 U/UTP LSZH Cat.6A AUGMENTED - Thermoplastic LSZH Yellow												
10GX24		B500	6	CU 0,6mm	7,2	ISO/IEC 11801 EA EIA/TIA 568 C2 IEC 754-1 IEC 754-2 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												
10GXE00		B305	6,2	CU 0,6mm	7,2	ISO/IEC 11801 EA EIA/TIA 568 C2 IEC 754-1 IEC 754-2 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 %												
												

NOTE: 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	PSElft db	RL db				
4 x 2 x AWG 24 UTP Cat.5E Double Jackets - Int. Jacket PVC fire retardant Gray - Ext. PE Black - Insulation C-4 (U0=400V)															
44UED 	M100	4,9	CU 0,51mm	7,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332.1 CEI UNEL 36762	1	1,9	73,0	71,0	71,0	33,0				
	B500					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				
	Imped.: 100 ± 15 Ohm					62,5	16,0	47,0	45,0	33,0	32,0				
	Velocity Ratio: 68%					100	19,8	44,0	42,0	28,0	29,0				
	Capacity: 49 pF/m														

5e
CAT

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)											
44FED 	M100	5,9	CU 0,52mm	7,9	ISO/IEC 11801 D	1	2,0	70,0	68,0	73,0	33,0
	B500				EIA/TIA 568 C2	4	3,8	62,0	60,0	61,0	34,0
	B1000				89 Ohm/km	10	6,0	57,0	55,0	53,0	42,0
					EN 50173	16	7,6	54,0	52,0	47,0	42,0
					IEC 332.1	20	8,5	52,0	50,0	45,0	41,0
					CEI-UNEL 36762	31,2	10,8	49,0	47,0	41,0	35,0
					Imped.: 100 ± 15 Ohm	62,5	15,0	45,0	43,0	37,0	32,0
5e 	Velocity Ratio: 70%										
	Capacity: 50 pF/m										
	Foil: AL/Pet 100 %										

5e
CAT

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)											
6UNDH 	B500	5,7	CU 0,6mm	7,2	ISO/IEC 11801 D	1	1,7	76,0	74,0	70,0	33,0
					EIA/TIA 568 C2	10	5,6	66,0	64,0	57,0	44,0
					EN 50173	20	8,0	63,0	61,0	49,0	40,0
				70 Ohm/km	IEC 332.1	31,2	10,1	56,0	54,0	45,0	38,0
					IEC 754-2	62,5	14,4	55,0	53,0	39,0	36,0
					CEI UNEL 36762	100	18,6	52,0	50,0	35,0	31,0
						155	23,6	49,0	47,0	31,0	27,0
	Imped.: 100 ± 15 Ohm					200	27,0	48,0	46,0	29,0	25,0
	Velocity Ratio: 70%					250	30,7	45,0	43,0	27,0	24,0
	Capacity: 50 pF/m										

6
LSZH

4 x 2 x AWG 23 FTP Cat.6 LSZH Double Jackets - Int. Jacket Thermoplastic LSZH Gray - Ext. PE Black - Insulation C-4 (U0=400V)											
7860D 	B500	5,8	CU 0,6mm	8,8	ISO/IEC 11801 D	1	1,7	80,0	74,0	70,0	30,0
					EIA/TIA 568 C2	10	5,5	70,0	64,0	57,0	40,0
				70 Ohm/km	EN 50173	20	7,6	66,0	61,0	49,0	44,0
					IEC 332.1	31,2	9,7	63,0	54,0	45,0	44,0
					IEC 754-2	62,5	13,8	58,0	53,0	39,0	34,0
					CEI UNEL 36762	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 %										

6
LSZH

4 x 2 x AWG 23 S(FTP) Cat.7 LSZH - Thermoplastic LSZH Gray											
1885ENH  	B1000	6	CU 0,6mm	8,0	ISO/IEC 11801 D	1	1,9	100,0	98,0	95,0	26,0
					EIA/TIA 568 C2	10	5,4	100,0	90,0	95,0	35,0
					EN 50173	20	7,6	100,0	98,0	87,0	35,0
				70 Ohm/km	IEC 332.1	31,2	9,6	100,0	98,0	84,0	34,0
					IEC 754-2	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 %											

7
LSZH

4 X 2 AWG 23 S/FTP Cat.7 Doppia guaina - Int. Jacket Thermoplastic LSZH Gray - Ext. PE Black - Insulation C-4 (U0=400V)											
1885D 	B1000	7,4	CU 0,6mm	9,5	ISO / IEC 11801/2° ed.	1	1,9	100,0	98,0	95,0	26,0
					prEN 50173/2° ed.	10	5,4	100,0	90,0	95,0	35,0
					IEC 332.1	20	7,6	100,0	98,0	87,0	35,0
					IEC 754-2	31,2	9,6	100,0	98,0	84,0	34,0
					CEI UNEL 36762	62,5	13,6	100,0	98,0	80,0	32,0
						100	17,4	95,0	93,0	76,0	31,0
	Imped.: 100 ± 5 Ohm					155	21,7	95,0	93,0	72,0	29,0
	Velocity Ratio: 75%					250	28,0	95,0	93,0	67,0	29,0
	Capacity: 48 pF/m					600	43,5	90,0	88,0	60,0	28,0
	Foil: AL2/2 su singola coppia 100 %					1000	56,6	90,0	88,0	56,0	20,0
Braid: CuSn > 40 %											

7
LSZH

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



Optical Fiber

How to find the right cable?

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

Example: 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	2,7-3,2	>200	275	33
		1300	0,6-1,1	>600	550	/
2	Multi-mode 50/125 OM2	850	2,3-2,8	>600	600	82
		1300	0,6-0,9	>1200	600	/
3	Multi-mode 50/125 OM3	850	2,5-3,0	>1500	900	300
		1300	0,5-1,0	>500	550	/
6	Multi-mode 50/125 OM3	850	2,5-3,0	>6000	900	550
		1300	0,5-1,0	>500	550	/
8	Single-mode 9/125 G652D	1310	0,32-0,40	not for Ethernet		
		1550	0,21-0,30			

Fibers N°

2 fibers
4 fibers
6 fibers
10 fibers
12 fibers



Central Loose Tube (CLT) Fiber in LSZH



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

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

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



Central Loose Tube (CLT) Fiber in PE



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 60332-3C

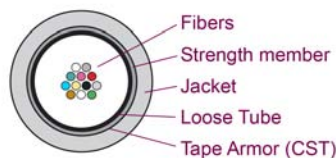
Packaging

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

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

CLT Central Loose Tube Fiber - Armured & Fire resistant - LSZH



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

Packaging

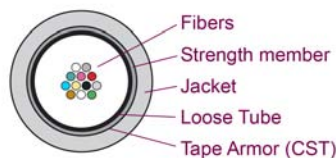
B2000

Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext. Jacket	Traction N	Bending radius (stat./din.) mm
 GUCB104	4	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB106	6	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB108	8	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB112	12	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB116	16	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB124	24	Multi-mode 62,5/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB204	4	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB206	6	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB208	8	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB212	12	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB216	16	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB224	24	Multi-mode 50/125 OM2	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB804	4	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB806	6	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB808	8	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB812	12	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB816	16	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCB824	24	Single-mode SM 9/125	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBD04	4	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBD08	8	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBD12	12	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBD16	16	Multi-mode 50/125 OM3	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBE04	4	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBE08	8	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBE12	12	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212
 GUCBE16	16	Multi-mode 50/125 OM4	10,6±0,3	10	LSZH Black	2000	106/212

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



Central Loose Tube - Corrugated Steel Tube (CST) Fiber



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 60332-3C

Packaging

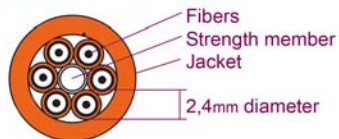
B2000

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

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

Breakout Fiber LSZH

Breakout Fiber LSZH



Applications

Indoor – Vertical posts lower than 300 m.

Temperature rating

-5 / +45 °C

Strength members

Fiber Diameter

245±10 µm

Crush resistance

20 kN/m

Standards

IEC 60322-1

Packaging

B2000



Part Num.	Fibers	Fiber type	Diameter mm	Weight Kg/100m	Ext. Jacket	Traction N	Bending radius (stat./din.) mm
GIBS104	4	Multi-mode 62,5/125	6,2	4,0	LSZH Orange	600	72/108
GIBS106	6	Multi-mode 62,5/125	8,0	7,3	LSZH Orange	900	94/141
GIBS108	8	Multi-mode 62,5/125	9,4	9,3	LSZH Orange	1200	109/164
GIBS112	12	Multi-mode 62,5/125	10,5	11,1	LSZH Orange	1800	118/177
GIBS204	4	Multi-mode 50/125 OM2	6,2	4,0	LSZH Orange	600	72/108
GIBS206	6	Multi-mode 50/125 OM2	8,0	7,3	LSZH Orange	900	94/141
GIBS208	8	Multi-mode 50/125 OM2	9,4	9,3	LSZH Orange	1200	109/164
GIBS212	12	Multi-mode 50/125 OM2	10,5	11,1	LSZH Orange	1800	118/177
GIBS302	2	Multi-mode 50/125 OM3	5,3	4,0	LSZH Orange	600	72/108
GIBS304	4	Multi-mode 50/125 OM3	6,2	4,0	LSZH Orange	600	72/108
GIBS306	6	Multi-mode 50/125 OM3	8,0	7,3	LSZH Orange	900	94/141
GIBSA04	4	Single-mode SM 9/125	6,2	4,0	LSZH Orange	600	72/108
GIBSA06	6	Single-mode SM 9/125	8,0	7,3	LSZH Orange	900	94/141
GIBSA08	8	Single-mode SM 9/125	9,4	9,3	LSZH Orange	1200	109/164
GIBSA12	12	Single-mode SM 9/125	10,5	11,1	LSZH Orange	1800	118/177

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





Telephone Cables



Indoor telephone TR/R cables (TX type)



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

Standards

CEI 46-5
UNEL 00724

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
TX16-	CuSn 1x2x0,6mm Colori secondo UNEL 00724	61	3,0	1,3	Mutual 120	M100
TX16T	CuSn 1x2+Tx0,6mm Colori secondo UNEL 00724	61	3,2	1,7	Mutual 120	M100
TX26-	CuSn 2x2x0,6mm Colori secondo UNEL 00724	61	4,3	2,3	Mutual 120	M100
TX26T	CuSn 2x2+Tx0,6mm Colori secondo UNEL 00724	61	4,4	2,7	Mutual 120	M100
TX36T	CuSn 3x2+Tx0,6mm Colori secondo UNEL 00724	61	5,2	3,9	Mutual 120	M100
TX46-	CuSn 4x2x0,6mm Colori secondo UNEL 00724	61	5,6	3,7	Mutual 120	M100
TX46T	CuSn 4x2+Tx0,6mm Colori secondo UNEL 00724	61	5,7	4,3	Mutual 120	M100
TX56T	CuSn 5x2+Tx0,6mm Colori secondo UNEL 00724	61	6,0	5,2	Mutual 120	M100
TX66-	CuSn 6x2x0,6mm Colori secondo UNEL 00724	61	6,2	5,3	Mutual 120	M100
TX86T	CuSn 8x2+Tx0,6mm Colori secondo UNEL 00724	61	7,1	7,7	Mutual 120	M100
TX11T	CuSn 11x2+Tx0,6mm Colori secondo UNEL 00724	61	7,8	9,7	Mutual 120	M100
TX11D	CuSn 11x2+Tx0,6mm Colori secondo UNEL 00724	61	9,1	10,3	Mutual 120	M100 B500
T16TD	CuSn 1x2+Tx0,6mm Colori secondo UNEL 00724	61	4,4	2,3	Mutual 120	M100 B500 B1000
T26TD	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



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



Home Automation



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 (eg. EIA RS-485 and KNX). 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)										
	M100 B500	1,3	CU 2x0,22mm ² 79 Ohm/km	PE 1,0		2,9	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					
1 x 2 x AWG 20 UTP Flex - PVC fire retardant White - Insulation C-4 (U0=400V)										
	M100 U300	3	CU 2x0,5mm ² 39 Ohm/km	PE 1,7		5,3	110/115		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					
1 x 2 x AWG 20 UTP Flex LSZH - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
	M100 U300	3,2	CU 2x0,5mm ² 39 Ohm/km	PE 1,7		5,4	110/115		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					
										
2 x 2 x AWG 24 UTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
	M100 B500	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					
2 x 2 x AWG 24 FLEX UTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
	M100 B500	2,6	CU 2x0,22mm ² 79 Ohm/km	PE 1,0		5,0	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					

NOTE: 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 (eg. EIA RS-485 and KNX). 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
2x1,5mm ² + 3x2x0,35mm ² - PVC fire retardant Green - Insulation C-4 (U0=400V)										
VC8BU	M100 B500 B1000	12	CU 2x1,5mm ² 12 Ohm/km	PVC AF 1,4		9,0				
			Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 120 pF/m					
2 x 2 x 0,8mm BUS EIB - KONNEX LSZH - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC4BZ	M100 B500 B1000	4	CU 0,8mm 34 Ohm/km	PVC AF 1,4	AL2 100%	5,9				
			Standards IEC 332.3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 100 pF/m					
										
1 x 2 x 0,8mm BUS EIB - KONNEX LSZH - Thermoplastic LSZH Green - Insulation C-4 (U0=400V)										
VC2BZ	M100 B500 B1000	4,6	CU 0,8mm 34 Ohm/km	PVC AF 1,4	AL2 100%	4,5				
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762 EIA RS-485		Capacity Mutual 100 pF/m					
										
J-H(ST)H Bd 2x2x0,8 mm LSZH - Thermoplastic LSZH M1 quality Red - Insulation C-4 (U0=400V)										
FM-28°	On request	5	CU 0,8 mm 39 Ohm/km	LSZH 1,5	Al/Pet 100%	6,0				
			Standards IEC 60332-3C IEC 60754-2 EN 61034 CEI UNEL 36762		Capacity Mutual 100 pF/m					

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



Serial BUS cables



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 x AWG 22 UTP LonWorks LSZH - Thermoplastic LSZH M1 quality White - Insulation C-4 (U0=400V)										
22U1H	M100 B500	3,5	CU 0,65mm 52 Ohm/km	PE 1,3		5,2	100 ± 15		1 4 10 16 20	1,5 3,1 4,9 6,3 6,9
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762		Capacity Mutual 40 pF/m					
										
1 x 2 x AWG 24 Flex S(FTP) RS485 ModBus - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
14S7Y	M100 B500 B1000	4	CU 7x0,22mm 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 S(FTP) Flex RS485 ModBus Double Jackets - Int. Jacket PVC fire retardant Gray - Ext. PE Black - Insulation C-4 (U0=400V)										
14S7D	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					
										
1 x 2 x AWG 24 Flex S(FTP) LSZH RS485 ModBus - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
14S7H	M100 B500	4,2	CU 7x0,22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	5,8	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					
										
2 x 2 xAWG 24 Flex S(FTP) RS485 ModBus - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24S7Y	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					
										
2 x 2 x AWG 24 Flex S(FTP) RS485 ModBus D.G. - Int. Jacket PVC fire retardant Gray - Ext. PE Black - Insulation C-4 (U0=400V)										
24S7D	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					
										

NOTE: 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 x AWG 24 Flex S(FTP) LSZH RS485 ModBus - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
24S7H	M100 B500	6	CU 7x0,22mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	7,7	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
										
			Standards IEC 60332-3C IEC 754-2 IEC 61034-1/2 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)										
34S7Y	M100 B1000	5,5	CU 7x0,20mm 79 Ohm/km	PE 1,6	AL/Pet 100% CuSn 85%	8,6	120 ± 15 68%		1 4 10 16	2 3,8 6,4 9,0
										
			Standards IEC 60332-1 IEC 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-Y	M100 B500	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					
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)										
42S7Y	M100 B500 1000	5,5	CU 7x0,20mm 79 Ohm/km	PE 1,0 / 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					
2 X 2 x AWG 24 Flex S(FTP) RS232/422 - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24SFY	M100 B500	8	CUSn 7x0,20mm 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					
6 x 2 x AWG 24 Flex FTP RS232 - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
64F7Y	M100 B500	6,7	CU 7x0,20mm 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					

NOTE: 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
FI 2 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-02	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-42	M100 B500	3	CUSn 4x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	4,5	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-62	M100 B500	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 7 x AWG 24 Flex Interconn RS232 - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
FI-72	M100 B500 1000	4	CUSn 7x0,22mm ² 80 Ohm/km	PVC 1,1	AL2 100%	5,5	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-82	M100 B500 1000	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					
										

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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 22 S(FTP) Profibus DP - PVC fire retardant Violet - Insulation C-4 (U0=400V)										
12S1Y 	M100 B500 B1000	8,4	CU 0,65mm	PEE 2,5	AL/Pet 100% CuSn 65%	8,0	150 ± 15 68%		1	0,3
			55 Ohm/km						4	2,1
									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 III							
			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)										
12S1H 	M100 B500	7,1	CU 0,65mm	PEE 2,5	AL/Pet 100% CuSn 65%	7,6	150 ± 15 68%		1	0,3
			55 Ohm/km						4	2,1
									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							
1 x 2 x AWG 18 Flex FTP Profibus PA - PVC fire retardant Blue - Insulation C-4 (U0=400V)										
18F7Y 	M100 B500 B1000	6,7	CuSn	PE 2,25	AL/Pet 100%	6,7	100 ± 15 68%		0,039	0,262
			7x 0,40mm 19,2 Ohm/km						4	2,1
									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)										
18F7H 	M100 B500	7,5	CuSn	PE 2,25	AL/Pet 100%	7,5	100 ± 15 68%		0,039	0,262
			7x 0,40mm 19,2 Ohm/km						4	2,1
									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							

NOTE: 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 20 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
10F7Y	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					
1 X 2 AWG 20 FLEX FTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
10FFY	M100 B500	4,4	CU 16x0,20mm 39 Ohm/km	PVC 1,57	Al/Pet 100%	4,7				
			Standards ISO/IEC 11801 IEC 332.1 CEI 20.22 III ITC Standards		Capacity Mutual 110 pF/m					
1 x 2 x AWG20 Flex S(FTP) TWINAX - PVC fire retardant Blue - Insulation C-4 (U0=400V)										
10S7Y	M100 B500	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					
1 x 2 x AWG 20 Flex UTP LSZH Interconn - Termoplastico Gray - Insulation C-4 (U0=400V)										
10U7H	M100 B500	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)										
10U7Y	M100 B500	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 22 Flex FTP LSZH Interconn - Thermoplastic LSZH M1 quality Gray - Insulation C-4 (U0=400V)										
12F7H	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					

NOTE: 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 22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
12F7Y	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				
1 x 2 x AWG 16 Flex FTP LSZH Interconn - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
16F7H	M100 B500	7,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9	AL/Pet 100%	8,1	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 FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
16F7Y	M100 B500	7,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9	AL/Pet 100%	7,2	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 16 Flex UTP LSZH Interconn - Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
16U7H	M100 B500 B1000	5,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9		7,3	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)										
16U7Y	M100 B500	5,6	CuSn 19x0,30mm 14,7 Ohm/km	PE 2,9		7,3	65 ± 15			
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 68 pF/m				
2 X 2 AWG 20 FLEX FTP - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
20FFY	M100 B500	5,6	CU 16x0,20mm 39 Ohm/km	PE 1,57	2x Al/Pet 100%	6,8				
				Standards ISO/IEC 11801 IEC 332.1 CEI 20.22 III ITC Standards		Capacity Mutual 110 pF/m				

NOTE: 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 x AWG22 Flex FTP LSZH Interconn - Thermoplastic LSZH M1 quality Gray - Insulation C-4 (U0=400V)										
22F7H	B500 1000	2,8	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	2x AL/Pet 100% 6,2		45 ± 15	66%		
			Standards IEC 332.1 IEC 754-2 CEI 20.22 III 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)										
22F7Y	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					
3 x AWG 22 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
23F7Y	M100 B500	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 AWG 24 Flex FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
24F7Y	M100 B500 B1000	2,9	CU 7x0,20mm 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 28 S(FTP) Flex - PVC fire retardant girgio - Insulation C-4 (U0=400V)										
28S7Y	M100 B500 B1000	2	CuSn 7x0,12mm 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					
										

NOTE: 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)										
32F7H	M100 B500	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)										
32F7Y	B500 B1000	6	CuSn 7x0,25mm 50 Ohm/km	PE 1,3	3x AL/Pet 100% 7,0		50 ± 15	66%		
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 70 pF/m				
3 x 2 x AWG 24 Flex FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
34F7Y	M100 B500	4,1	CU 7x0,22mm 79 Ohm/km	PVC 1,15	AL/Pet 100%	6,0	80 ± 15	68%		
				Standards IEC 60332-1 CEI 20-22 III CEI-UNEL 36762 EIA RS-485		Capacity Mutual 100 pF/m				
										
3x2xAWG18 FTP Interconn - PVC fire retardant Gray - Insulation C-4 (U0=400V)										
38FFY	M100 B500	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)										
68FFY	M100 B500	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 x AWG 18 FLEX FTP Interconn LSZH - Thermoplastic LSZH grigio - Insulation C-4 (U0=400V)										
87F7H	M100 B500 1000	4,5	CuSn 7x0,40 mm 20 Ohm/km	PE 2,2	AL/Pet 100%	6,2	57 ± 15			
				Standards IEC 332.1 CEI 20.22 III CEI-UNEL 36762 ITC Standards		Capacity Mutual 80 pF/m				
										

NOTE: 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									
1x2 AWG 22 S(FTP) Profibus - PVC fire retardant Violet - Insulation C-4 (U0=400V)																			
PRO-H° 	On request	8,4	CU 0,65mm 53 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	7,6	150 ± 15 68%		1	0,3									
									4	2,1									
									10	3,3									
									16	4,3									
									20	4,7									
									PRO-F° 									31,3	6,0
																		62,5	8,5
																		RL (dB)	
																		1-10 MHz	>20
																		10-16 MHz	>20
			Standards	Screening Efficiency > 85 db															
			ISO/IEC 11801	Capacity Mutual															
			RS485	30 pF/m															
			IEC 332.1																
			CEI 20.22 III																
02YS(St)C11Y1x2xAWG 22/19 Profibus DP Flex - PUR LSZH Violet - Insulation C-4 (U0=400V)																			
PRO-F° 	On request	6,6	CU 19x0,14mm 55 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	8,0	150 ± 15		1	0,4									
									4	2,3									
									10	3,5									
									16	4,5									
									20	5,0									
									PRODP° 									31,3	6,3
																		62,5	8,8
																		Standards	
																		IEC 332-1	
																		IEC 60754-1/2	
			EN 50170-2-3	Capacity Mutual															
			EN 50170-2-3	30 pF/m															
			EN 61034-1-2																
			CEI UNEL 36762																
1x2 AWG 22 S(FTP) Profibus DP - PVC oil-proof fire retardant Violet UV-resistant - Insulation C-4 (U0=400V)																			
PRO-Y° 	On request	8,4	CU 0,65mm 55 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	8,0	150 ± 15 68%		1	0,3									
									4	2,1									
									10	3,3									
									16	4,3									
									20	4,7									
									PRODP° 									31,3	6,0
																		62,5	8,5
																		Standards	
																		EN 50170-2-3	
																		IEC 332-3-24 Cat.C	
			IEC60881-2-1 (4H/70°C)	Screening Efficiency > 85 db															
			IEC 754-2	Capacity Mutual															
				30 pF/m															
1x2 AWG 22 S(FTP) Profibus DP - Int. Jacket FRLS compound - Ext. PVC fire retardant Violet - Insulation C-4 (U0=400V)																			
PRODP° 	On request	7,3	CU 0,65mm 53 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	8,1	150 ± 15 68%		1	0,3									
									4	2,1									
									10	3,3									
									16	4,3									
									20	4,7									
									PRODP° 									31,3	6,0
																		62,5	8,5
																		Standards	
																		EN 50170-2-3	
																		IEC 332-1	
			IEC 754-1/2	Screening Efficiency > 85 db															
			CEI 20.22	Capacity Mutual															
			CEI UNEL 36762	30 pF/m															

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
02Y(St)CY1x2xAWG 22/19 + 2x1,5 Profibus DP Flex - PVC fire retardant Violet UV-resistant - Insulation C-4 (U0=400V)										
PRO-D° 	On request	15	CU 19x0,14mm 55 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 85%	11,0	150 ± 15		1	0,4
									4	2,3
									10	3,5
									16	4,5
									20	5,0
									31,3	6,3
									62,5	8,8
			Standards EN 50170-2-3 IEC 332-1-2 RS485 CEI UNEL 36762	Capacity Mutual 30 pF/m						
02YSY(St)CY2Y 1x2xAWG 22/1 Profibus DP Double Jackets - Int. Jacket PVC AF Violet - Ext. PE Black - Insulation C-4 (U0=400V)										
PROAD 	M100 B500 B1000	10,5	CU 0,65mm 53 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	10,0	150 ± 15		1	0,3
									4	2,1
									10	3,3
									16	4,3
									20	4,7
									31,3	6,0
									62,5	8,5
			Standards EN 50170-2-3 IEC 332-1-2 RS485 CEI UNEL 36762	Capacity Mutual 30 pF/m						
1x2 AWG 22 S(FTP) Profibus DP Double Jackets - Int. Jacket PVC fire retardant Violet - Ext. PE Black - Insulation C-4 (U0=400V)										
PROYD 	M100 B500 B1000	8,4	CU 0,65mm 53 Ohm/km	PEE 2,5	AL/Pet 100% CuSn 65%	10,0	150 ± 15 68%		1	0,3
									4	2,1
									10	3,3
									16	4,3
									20	4,7
									31,3	6,0
									62,5	8,5
			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						
Li2Y(C)H-C11Y 2x2xAWG24/7 PUR - Int. Jacket LSZH Black - Ext. PUR Black - Insulation C-4 (U0=400V)										
L2Y24° 	On request	8,6	CU 7x0,20mm 89 Ohm/km		CuSn 65% CuSn 70%	9,1	75 ± 5			
			Standards VDE0812 (p.q.a.) IEC 60332-1-2 DIN47100 CEI UNEL 36762	Capacity Mutual 55 pF/m						

NOTE: 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 18 Flex FTP Interconn - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
	M100 B500 B1000	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 EIA RS-485			Capacity Mutual 80 pF/m						
CABLING SYSTEM 1/A 33G2772 2x2xAWG22 - PVC fire retardant Black - Insulation C-4 (U0=400V)										
	M100 B250 B500 B1000	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						
TWINAX 7362211 - PVC fire retardant Black - Insulation C-4 (U0=400V)										
	M100 B200 B500 B1000	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)										
	M100 B500	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				
58 THIN WIRE 802-3 - PVC fire retardant Yellow - Insulation C-4 (U0=400V)										
	M100 B500 B1000	3,2	CuSn 19x0,20mm 34 Ohm/km	PEE 2,9	AL3 100% CuSn 92% 13 Ohm/Km	5,0	50 ± 3	78%	50 230 470 860 1000	8,2 16,3 24,8 38,2 42,9
	RL (dB) 100-300MHz > 25 300-900MHz > 20		Standards CEI 46-1 CEI UNEL 36762		Screening Efficiency > 85 db Capacity 85 ± 2 pF/m		Connectors ACBAA			

NOTE: 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 AWG22 Flex S(FTP) RS485 CanBUS - PVC fire retardant Gray oil-proof - Insulation C-4 (U0=400V)										
12S7Y	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)										
15S7Y	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)										
22S7Y	M100 B500	7	CuSn 7x0,25mm 50 Ohm/km	PEE 2,35	AL/Pet 100% CuSn 65%	8,2±0,3	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 22 UTP LonWorks LSZH - Thermoplastic LSZH M1 quality White - Insulation C-4 (U0=400V)										
12U1H	M100 B500	2	CU 0,65mm 52 Ohm/km	PE 1,3		4,2	100 ± 15		1 4 10 16 20	1.5 3.1 4.9 6.3 6.9
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762		Capacity Mutual 40 pF/m					
										
1 x 2 x AWG 22 FTP LonWorks - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
12F1H	M100 B500	2,7	CU 0,65mm 52 Ohm/km	PE 1,4	AL/Pet 100%	4,6	100 ± 15		1 4 10 16 20	2.0 3.6 5.5 7.0 7.8
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762		Capacity Mutual 40 pF/m					
										
2 x 2 x AWG 22 FTP LonWorks - Thermoplastic LSZH White - Insulation C-4 (U0=400V)										
22F1H	M100 B500	3,8	CU 0,65mm 52 Ohm/km	PE 1,3	AL/Pet 100%	6,4	100 ± 15		1 4 10 16 20	2.0 3.6 5.5 7.0 7.8
			Standards IEC 60332-3C IEC 754-2 CEI-UNEL 36762		Capacity Mutual 40 pF/m					
										

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



FROR and FEOR cables for Civil Automation

- Gate Automation
- Intercom
- Building Automation
- Remote control
- Signalling



FEOR cables for Automatic Gates (CA type)



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.

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-25	CU 2x0,50 mm ² Rosso, Nero	39	5,0	3,1	Mutual 60	M100 B500 1000
CA-45	CU 4x0,50 mm ² Rosso, Nero, Bianco, Marrone	39	5,8	4,8	Mutual 60	M100 B500 1000
CA-65	CU 6x0,50 mm ² Rosso, Nero, DIN 47100	39	6,7	6,8	Mutual 60	M100 B500 1000
CA210	CU 2x1,00 mm ² Rosso, Nero	19	6,8	4,8	Mutual 70	M100 B500 1000
CA410	CU 4x1,00 mm ² Rosso, Nero, Bianco, Marrone	19	7,5	8,1	Mutual 70	M100 B500 1000
CA610	CU 6x1,00 mm ² Rosso, Nero, DIN 47100	19	8,5	11	Mutual 70	M100 B500 1000
CA110ANC	CU 10x1,00 mm ² Rosso, Nero, DIN 47100	19	13,5	27	Mutual 70	B500 1000
CA215	CU 2x1,50 mm ² Rosso, Nero	12	7,3	6,5	Mutual 80	M100 B500 1000
CA415	CU 4x1,50 mm ² Rosso, Nero, Bianco, Marrone	12	8,4	10,7	Mutual 80	M100 B500 1000
CA615	CU 6x1,50 mm ² Rosso, Nero, DIN 47100	12	9,5	14,4	Mutual 80	M100 B500 1000
CA225	CU 2x2,50 mm ² Rosso, Nero	8	8,4	9,1	Mutual 100	M100 B500 1000
CA-3P	CU 3x1,50 mm ² Blu, Marrone, Giallo/Verde	12	7,8	10,5		M100 B500 1000



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



Flexible intercom cables FROR (FG type)



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

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
FG-25	CU 2x0,5mm ² Colori secondo DIN 47100	39	4,5	2,8	Mutual 120	M100
FG-35	CU 3x0,5mm ² Colori secondo DIN 47100	39	4,7	3,5	Mutual 120	M100
FG-45	CU 4x0,5mm ² Colori secondo DIN 47100	39	5,4	3,7	Mutual 120	M100
FG-65	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,6	6,8	Mutual 120	M100
FG-85	CU 8x0,5mm ² Colori secondo DIN 47100	39	7,1	8,4	Mutual 120	M100
FG105	CU 10x0,5mm ² Colori secondo DIN 47100	39	8,1	10,1	Mutual 120	M100
FG125	CU 12x0,5mm ² Colori secondo DIN 47100	39	8,3	11,6	Mutual 120	M100
FG145	CU 14x0,5mm ² Colori secondo DIN 47100	39	8,8	13,1	Mutual 120	M100
FG165	CU 16x0,5mm ² Colori secondo DIN 47100	39	9,8	15,6	Mutual 120	M100
FG185	CU 18x0,5mm ² Colori secondo DIN 47100	39	10	16,4	Mutual 120	M100
FG205	CU 20x0,5mm ² Colori secondo DIN 47100	39	11	19,5	Mutual 120	M100
FG-27	CU 2x0,75mm ² Colori secondo DIN 47100	26	5,0	3,4	Mutual 100	M100
FG-37	CU 3x0,75mm ² Colori secondo DIN 47100	26	5,2	4,4	Mutual 120	M100
FG-47	CU 4x0,75mm ² Colori secondo DIN 47100	26	6,0	5,7	Mutual 120	M100
FG-21	CU 2x1mm ² Colori secondo DIN 47100	19	6,0	4,7	Mutual 130	M100
FG-41	CU 4x1mm ² Colori secondo DIN 47100	19	7,2	7,7	Mutual 130	M100
FG-51	CU 5x1mm ² Colori secondo DIN 47100	19	6,8	5	Mutual 130	M100
FG-2P	CU 2x1,5mm ² Colori secondo DIN 47100	12	6,9	6	Mutual 140	M100 B1000
FG-2Q	CU 2x2,5mm ² Colori secondo DIN 47100	7,8	7,7	8,3	Mutual 150	M100

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

Flexible intercom cables FROR (FG type)



Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
 FGH18	CU 18x1,0 mm ² Numbered black + Yellow/Green	19	13,0 ± 0,2	30		
 FGH14	CU 14x1,0 mm ² Numbered black + Yellow/Green	19	12,0 ± 0,2	24		
 FGH71	CU 7x1,0 mm ² Numbered black + Yellow/Green	19	8,3 ± 0,2	13		
 FGH51	CU 5x1,0 mm ² Numbered black + Yellow/Green	19	7,5 ± 0,2	9,4		
 FGH4B	CU 4x0,75 mm ² Brown, Black, Blue, Yellow/Green	26	6,2 ± 0,2	5,7		

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 M1 quality Gray

Voltage Withstanding

C-4 (U₀=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +70 °C

Standards

IEC 60228 Cl.5
IEC 60332-3C
IEC 60754-1
IEC 60754-2
EN 61034-1-2
CEI UNEL 36762

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



Flexible intercom cables FROR (RO type)



Applications

Remote control, signalling, control and measurement, intercom and industrial monitoring. Cables for permanent laying, 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

2 KV

Temperature rating

-10 / +80 °C

Notes

Globally twisted

Standards

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

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
RO502	CU 2x0,5mm ² Colori secondo DIN 47100	39	4,3	2,5	Mutual 120	M100
RO504	CU 4x0,5mm ² Colori secondo DIN 47100	39	5,5	3,2	Mutual 120	M100
RO506	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,3	6,3	Mutual 120	M100
RO508	CU 8x0,5mm ² Colori secondo DIN 47100	39	6,8	8	Mutual 120	M100
RO510	CU 10x0,5mm ² Colori secondo DIN 47100	39	7,8	9,8	Mutual 120	M100
RO512	CU 12x0,5mm ² Colori secondo DIN 47100	39	7,7	11,2	Mutual 120	M100
RO516	CU 16x0,5mm ² Colori secondo DIN 47100	39	9,5	15	Mutual 120	M100
RO520	CU 20x0,5mm ² Colori secondo DIN 47100	39	10,5	19	Mutual 120	M100

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



Video Control and CCTV Camera cables



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)										
SA36C 	M100	5,3	CW	PEGJ	AL2 100%	6,4	75 ± 5	85%	5	3,6
	B500		0,41mm	1,9	CuSn 72%				10	5,1
			320 Ohm/km		26 Ohm/Km				50	11,4
									100	16,1
	RL (dB)		Standards		Screening Efficiency > 85 db		Capacity 55 ± 3 pF/m			
100-300MHz		> 28		EN 50117						
300-900MHz		> 24		CEI 20-22 III						
900-2150MHz		> 20		CEI UNEL 36762						
CCS 36 + 2x0,50mm ² + 4x0,22mm ² - Int. Jacket PVC fire retardant White, Green - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
SA342 	M100	6,0	CW	PEGJ	AL2 100%	6,7	75 ± 3	85%	5	3,6
	B500		0,41mm	1,9	CuSn 72%				10	5,1
			320 Ohm/km						50	11,4
									100	16,1
	RL (dB)		Standards		Screening Efficiency > 85 db		Capacity 53 ± 2			
100-300MHz		> 28		EN 50117		Mutual				
300-900MHz		> 24		CEI 20-22 III		120 pF/m				
900-2150MHz		> 20		CEI UNEL 36762						
CCS 36 + 2x1,00mm ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
SA361 	B500	6,7	CW	PEGJ	AL2 100%	7,4	75 ± 3	85%	5	3,6
			0,41mm	1,9	CuSn 72%				10	5,1
			320 Ohm/km		26 Ohm/Km				50	11,4
									100	16,1
	RL (dB)		Standards		Screening Efficiency > 85 db		Capacity 53 ± 2			
100-300MHz		> 28		EN 50117		Mutual				
300-900MHz		> 24		CEI 20-22 III		120 pF/m				
900-2150MHz		> 20		CEI UNEL 36762						
CCS36 + 2x1,00mm ² + 4x0,50mm ² - compatible URMET - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation										
VC636 	B100	10	CW	PEGJ	AL2 100%	9,0	75 ± 3	85%	5	3,6
	B500		0,41mm	1,9	CuSn 72%				10	5,1
	B1000		320 Ohm/km		26 Ohm/Km				50	11,4
									100	16,1
	RL (dB)		Standards		Screening Efficiency > 85 db		Capacity 53 ± 2			
100-300MHz		> 28		CEI 20-22 III		Mutual				
300-900MHz		> 26		CEI UNEL 36762		120 pF/m				
CCS36 + 3x1,00mm ² + 9x0,50mm ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation C-4 (U0=400V)										
VC953 	M100	18	CW	PEGJ	AL2 100%	10	75 ± 3	85%	5	3,6
			0,41mm	1,9	CuSn 72%				10	5,1
			320 Ohm/km		26 Ohm/Km				50	11,4
									100	16,1
	RL (dB)		Standards		Screening Efficiency > 85 db		Capacity 53 ± 2			
100-300MHz		> 28		CEI 20-22 III		Mutual				
300-900MHz		> 26		CEI UNEL 36762		120 pF/m				

NOTE: 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 + 2x0,50mm ² + 2x0,22mm ² - Int. Jacket PVC fire retardant White - Ext. Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
VZ552	M100	6,1	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 72% 26 Ohm/Km	6,6	75 ± 3	85%	5 10 50 100	3,6 5,1 11,4 16,1
		RL (dB) 100-300MHz > 30 300-900MHz > 28 900-2150MHz > 25		Standards CEI 20-22 III CEI 20-37/2/4/6/7 CEI UNEL 36762		Screening Efficiency > 85 db Capacity 53 ± 2 Mutual 120 pF/m				
										
2xCCS 36 + 2x0,50mm ² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant Gray - Insulation C-4 (U0=400V)										
S236C	B500	7,6	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 72%	8,1	75 ± 3	85%	5 10 50 100	3,6 5,1 11,4 16,1
		RL (dB) 100-300MHz > 28 300-900MHz > 24 900-2150MHz > 20		Standards EN 50117 CEI 20-22 III CEI UNEL 36762		Screening Efficiency > 85 db Capacity 53 ± 2 Mutual 120 pF/m				
MINI RG-59 + 2x1,0mm ² - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
MI592	B500 B1000	5,6	CU 0,45mm 106 Ohm/km	PPE 2,15	CU 95% 13 Ohm/Km	7,3x6,0	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 + 1x2x0,50mm ² - Int. Jacket PVC Black - Ext. PVC Black - Insulation C-4 (U0=400V)										
MI595	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 Coax 50 ohm + 2 x 1,0mm ² - Int. Jacket PVC AF Bianco - Ext. PVC AF Bianco										
VC121		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				
0,6L / 3,7 FLEX - PVC Green fire retardant - Insulation C-4 (U0=400V)										
TV63F°	On request	4,4	CU 7x0,20mm 78 Ohm/km	PE 3,7	CU 68% 19 Ohm/Km	6,1	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				

NOTE: 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
TY59T + 2x0,75m m ² - PVC AF Grigio - Insulation C-4 (U0=400V)										
T9F7W 	B500	9	CW	PE 3,7	CU 55%	5,8x13,4	75 ± 3	66%	50	8,1
	B1000		0,58mm		28 Ohm/Km				230	18,9
			160 Ohm/km						470	27,2
									860	37,0
									1000	39,3
	RL (dB)		Standards		Screening Efficiency > 45 db		Connectors			
100-300MHz > 35		CEI 20-22 III		Capacity 67 ± 2 pF/m		ACBAB				
300-900MHz > 30		CEI UNEL 36762								

RG 59 B/U + 2x0,50mm ² - Int. Jacket PE Neutral - Ext. PVC fire retardant Black - Insulation C-4 (U0=400V)										
TY 595 	B500	6,6	CW	PE 3,7	CU 80%	6,6x8,3	75 ± 2	66%	50	7,9
	B1000		0,58mm		14 Ohm/Km				230	18,6
			160 Ohm/km						470	26,8
									860	36,5
									1000	38,8
RL (dB)			Standards		Screening Efficiency > 50 db			Connectors		
100-300MHz > 35			CEI 20-22 III		Capacity 67 ± 2 pF/m			ACBAB		
300-900MHz > 30			CEI UNEL 36762							

RG 59 B/U + 2x0,50mm² LSZH - Int. Jacket PE Neutral - Ext. Thermoplastic LSZH Gray - Insulation C-4 (U0=400V)										
ZY 595 	M100	6,6	CW	PE 3,7	CU 80%	6,6x8,3	75 ± 2	66%	50	7,9
	B500		0.58mm		14 Ohm/Km				230	18,6
			160 Ohm/km						470	26,8
									860	36,5
									1000	38,8
RL (dB)		Standards			Screening Efficiency > 50 db			Connectors		
100-300MHz > 35		CEI 20-22 III			Capacity 67 ± 2 pF/m			ACBAB		
300-900MHz > 30		CEI 20-37/2/4/6/7								
		CEI UNEL 36762								



RG 59 B/U + 2x0,75mm ² - Int. Jacket PE Neutral - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
TY 597 	M100	7	CW	PE 3,7	CU 80%	6,6x9,8	75 ± 2	66%	50	7,9
	B500		0.58mm		14 Ohm/Km				230	18,6
	B1000		160 Ohm/km						470	26,8
									860	36,5
									1000	38,8
RL (dB)			Standards		Screening Efficiency > 50 db			Connectors		
100-300MHz > 35			CEI 20-22 III		Capacity 67 ± 2 pF/m			BNC Type:		
300-900MHz > 30			CEI UNEL 36762					ACBAB		

RG 59 B/U + 2x1,0mm² + 1x2xAWG24 FTP - Int. Jacket Polietilene - Ext. PVC Black - Insulation C-4 (U0=400V)										
TY59W* 	On request	8,2	CW	PE 3,7	Al2 100%	7,7x9,4	75 ± 2	66%	50	7,9
			0.58mm		CU 80%				230	18,6
			160 Ohm/km		14 Ohm/Km				470	26,8
									860	36,5
									1000	38,8
RL (dB)		Standards		Screening Efficiency > 50 db		Connectors				
100-300MHz > 35		CEI 46-1		Capacity 67 ± 2 pF/m		BNC Type:				
300-900MHz > 30		CEI UNEL 36762				ACBAB				

RG 59 B/U + 2x1,00mm ² - Int. Jacket PE Neutral - Ext. PVC fire retardant Black - Insulation C-4 (U0=400V)											
TY 592 	M100	10	CW	PE 3,7	CU 80%	8,5x12,0	75 ± 2	66%	50	7,9	
	B500		0,58mm		18 Ohm/Km				230	18,6	
	B1000		160 Ohm/km						470	26,8	
									860	36,5	
									1000	38,8	
RL (dB)			Standards		Screening Efficiency > 50 db			Connectors			
100-300MHz > 35			CEI 20-22 III		Capacity 67 ± 2 pF/m			ACBAB			
300-900MHz > 30			CEI UNEL 36762								

NOTE: 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
Coax 0,6 / 3,7 LSZH - PVC Green - Insulation C-4 (U0=400V)										
TV637° 	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						
RG 59 T + 2x0,75mm² - PVC White fire retardant - Insulation C-4 (U0=400V)										
T9T7B° 	On request	8,5	CU 0,60mm 16 Ohm/km	PE 3,7	CU 65% 16 Ohm/Km	5,8x 12,6	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
	RL (dB) 100-300MHz 300-900MHz	> 35 > 30	Standards CEI 46-1 CEI UNEL 36762	Screening Efficiency > 50 db Capacity 67 ± 2 pF/m		Connectors ACBAB				
TY 59 + 2x0,75mm² PVC - PVC Black fire retardant - Insulation C-4 (U0=400V)										
TY59L° 	On request	9	CU 0,60mm 60 Ohm/km	PE 3,7	CU 65% 20 Ohm/Km	5,9x 12,0	75 ± 2	66%	50 230 470 860 1000	7,9 18,6 26,8 36,5 38,8
	RL (dB) 100-300MHz 300-1000MHz	> 35 > 30	Standards CEI 46-1 IEC60332-1 CEI UNEL 36762	Screening Efficiency > 50 db Capacity 67 ± 2 pF/m						
Coax 0,6 / 3,7 - PVC Green - Insulation C-4 (U0=400V)										
TV63S° 	On request	5	CU 0,60mm 63 Ohm/km	PE 3,7	CUSn 92% 9,2 Ohm/Km	6,0	75 ± 2	66%	1 5 7 10 50 100 200 400 860 1000	1,0 2,3 2,7 3,3 7,6 10,9 15,0 21,3 31,2 33,7
	RL (dB) 30-300MHz	>33	Standards CEI 20-22.III CEI 46-1 CEI UNEL 36762	Screening Efficiency > 85 db Capacity 67 pF/m						
TVR90+2x0,75mm²+6x0,50mm²+6x0,35mm²- Comp. ELVOX - Int. Jacket PVC AF White - Ext. PVC AF Gray - Insulation C-4 (U0=400V)										
VC146 	B100 B500 B1000	16,5	CU 0,75mm 40 Ohm/km	PEGJ 3,4	CU 80%	10,7	75 ± 2	80%	50 230 470 860 1000	6,4 13,6 21,0 30,0 32,5
	RL (dB) 100-300MHz 300-900MHz	> 30 > 28	Standards CEI 20-22 III CEI UNEL 36762	Screening Efficiency > 52 db Capacity 55 ± 2 Mutual 120 pF/m						
CCS 59 + 2x1,5mm² + 2x0,5mm² - Int. Jacket PVC fire retardant White - Ext. PVC fire retardant White - Insulation C-4 (U0=400V)										
SA515 	M100	13,5	CW 0,81mm 84 Ohm/km	PEGJ 3,5	AL3/3 100% CuSn 55% 16 Ohm/Km	10,4	75 ± 3	83%	5 10 50 100	0,8 2,3 5,8 8,2
	RL (dB) 100-300MHz 300-900MHz 900-2150MHz	> 30 > 28 > 25	Standards EN 50117 CEI 20-22 III CEI UNEL 36762	Screening Efficiency > 80 db Capacity 53 ± 2 pF/m						

NOTE: 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
Coax 1,02 / 6,6 - PVC Green - Insulation C-4 (U0=400V)										
TV166° 	On request	9,1	CU 1,02mm	PE 6,6	CU 70%	9,0	75 ± 2	66%	1	0,6
			23 Ohm/km		9 Ohm/Km				5	1,3
									7	1,7
									10	1,9
									50	4,6
RL (dB)			Standards		Screening Efficiency > 50 db				100	6,7
30-300MHz >30			CEI 20-22.III		Capacity 67 pF/m					
			CEI 46-1							
			CEI UNEL 36762							
Coax 1,0 / 6,6 Video High Screen PVC - PVC Green fire retardant - Insulation C-4 (U0=400V)										
TV69S° 	On request	18	CU 1,02mm	PE 6,6	CU 85%	10,0	75 ± 2	66%	1	0,6
			23 Ohm/km		CU 88%				5	1,4
					3 Ohm/Km				10	2,0
									50	4,4
									100	6,4
RL (dB)			Standards		Screening Efficiency > 75 db				200	9,1
30-300MHz >33			EN 50117		Capacity 67 ± 2 pF/m				400	13,5
30-1000MHz >30			IEC60332-1						860	21,0
			CEI UNEL 36762						1000	22,8
Coax 1,6/7,2 Video High Screen - PUR Red - Insulation C-4 (U0=400V)										
TV163° 	On request	11	CU 1,63mm	PEGJ	CuSn 71%	10,7	75 ± 2	83%	1	0,5
			8,6 Ohm/km	7,2	CuSn 71%				5	1,0
									10	1,3
									50	3,0
									100	4,3
RL (dB)			Standards		Screening Efficiency > 80 db				200	6,0
100-300MHz > 36			EN 50117		Capacity 53 ± 2 pF/m				400	8,5
300-900MHz > 33			IEC60332-1						860	12,5
900-2150MHz > 28			CEI UNEL 36762						1000	13,8

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

HD Video Surveillance and CCTV camera cables (DS type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DS-40 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DS-40 	M100	1,2	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	3,3	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD Doppia Guaina - Int. Jacket Thermoplastic LSZH Blue - Ext. PE - Insulation C-4 (U0=400V)										
DS40D 	M100	1,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	4,7	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
										
DS-40 HD + 2x0,50 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DS40G 	M100	5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	7,7x4,8	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD + 2x0,50 + 2x0,22 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DS40T 	M100	5,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	7,5x5,3	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD + 2x0,75 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DS40L 	M100	6	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	7,8x4,5	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD + 2x0,75 + 2x0,22 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DS40U 	M100	6,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	8,0x5,4	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			

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

HD Video Surveillance and CCTV camera cables (DS type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DS-40 HD + 2x1,0 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	6,7	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	9,2x5,4	75 ± 3	85%	1 3 5 10 50	2,0 3,2 3,8 5,1 12,0
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD + 2x1,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	8	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	10,2x6,9	75 ± 3	85%	1 3 5 10 50	2,0 3,2 3,8 5,1 12,0
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-40 HD + 2x2,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	10	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% CuSn 60% 39 Ohm/Km	11,0x7,5	75 ± 3	85%	1 3 5 10 50	2,0 3,2 3,8 5,1 12,0
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DS-80 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	2,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	5,0	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			
DS-80 HD Double Jackets - Int. Jacket Thermoplastic LSZH Blue - Ext. PE - Insulation C-4 (U0=400V)										
	M100	3,8	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	6,4	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			
DS-80 HD + 2x0,50 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	7,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	9,0x6,2	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			

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

HD Video Surveillance and CCTV camera cables (DS type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DS-80 HD + 2x0,75 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	8,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	9,4x6,0	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAM					
DS-80 HD + 2x1,0 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	9,4	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	9,5x6,4	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAM					
DS-80 HD + 2x1,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	11	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	11,4x6,5	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAM					
DS-80 HD + 2x2,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	13	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% CuSn 60% 23 Ohm/Km	8,5	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAM					
DS140 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	4,9	CU 1,4mm 11,7 Ohm/km	PEGJ 5,5	AL2 100% CuSn 60% 16 Ohm/Km	7,5	75 ± 3	85%	1 3 5 10 50	0,7 1,1 1,3 1,7 3,8
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAN					
DS140 HD LSZH Double Jackets - Int. Jacket Thermoplastic LSZH Blue - Ext. PE - Insulation C-4 (U0=400V)										
	M100	6,9	CU 1,4mm 11,7 Ohm/km	PEGJ 5,5	AL2 100% CuSn 60% 16 Ohm/Km	9,0	75 ± 3	85%	1 3 5 10 50	0,7 1,1 1,3 1,7 3,8
	RL (dB) 1-50MHz	> 30	Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762	Screening Efficiency > 90 db Capacity 53 ± 2 pF/m	Connectors ACBAN					
										

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

HD Video Surveillance and CCTV camera cables (DV type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DV-40 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV-40 	M100	10	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	3,3	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x0,50 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV40G 	M100	5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	7,7x4,5	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x0,50 + 2x0,22 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV40T 	M100	5,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	7,5x5,3	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x0,75 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV40L 	M100	6	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	7,8x4,5	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x0,75 + 2x0,22 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV40U 	M100	6,5	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	8,0x5,4	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x1,0 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
DV40N 	M100	6,7	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	9,2x5,4	75 ± 3	85%	1	2,0
									3	3,2
									5	3,8
									10	5,1
									50	12,0
RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762			Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			

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

HD Video Surveillance and CCTV camera cables (DV type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m
DV-40 HD + 2x1,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	8	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	10,2x6,9	75 ± 3	85%	1 3 5 10 50	2,0 3,2 3,8 5,1 12,0
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-40 HD + 2x2,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	10	CW 0,41mm 320 Ohm/km	PEGJ 1,9	AL2 100% Almelec 85% 39 Ohm/Km	11,0x7,5	75 ± 3	85%	1 3 5 10 50	2,0 3,2 3,8 5,1 12,0
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAL			
DV-80 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	2,2	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	5,0	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			
DV-80 HD Doppia Guaina - Int. Jacket Thermoplastic LSZH Blue - Ext. PE - Insulation C-4 (U0=400V)										
	M100	3,8	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	6,4	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			
										
DV-80 HD + 2x0,50 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	7,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	9,0x6,2	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			
DV-80 HD + 2x0,75 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)										
	M100	8,5	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	9,4x6,0	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM			

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

HD Video Surveillance and CCTV camera cables (DV type)

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.

Part Num.	Packaging	Weight Kg/100m	Conductor	Dielectric mm	Shielding	Diameter mm	Imped. Ohm	Vel.Ratio	Freq. MHz	Atten. db/100m	
DV-80 HD + 2x1,0 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)											
	M100	9,4	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	9,5x6,4	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3	
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM				
DV-80 HD + 2x1,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)											
	M100	11	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	11,4x6,5	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3	
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM				
DV-80 HD + 2x2,5 LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)											
	M100	13	CU 0,80mm 35 Ohm/km	PEGJ 3,5	AL2 100% Almelec 85% 23 Ohm/Km	8,5	75 ± 3	85%	1 3 5 10 50	0,9 1,6 2,0 2,8 6,3	
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAM				
DV140 HD LSZH - Thermoplastic LSZH Blue - Insulation C-4 (U0=400V)											
	M100	4,9	CU 1,4mm 11,7 Ohm/km	PEGJ 5,5	AL2 100% Almelec 85% 16 Ohm/Km	7,5	75 ± 3	85%	1 3 5 10 50	0,7 1,1 1,3 1,7 3,8	
	RL (dB) 1-50MHz > 30		Standards EN 50117 CEI 46-1 IEC 754-2 CEI-UNEL 36762		Screening Efficiency > 90 db Capacity 53 ± 2 pF/m		Connectors ACBAN				
4 x 2 x AWG 24 UTP Cat.5E ENHANCED + 2 x 1,0mm² - Int. Jacket PVC fire retardant Gray - Ext. LSZH Blue - Insulation C-4 (U0=400V)											
	44U-1	7,6	CU 0,51mm 79 Ohm/km	9,1 x 7,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332-1	1 4 10 16 20 31,2 62,5 100	1,9 3,9 6,2 7,9 8,9 11,2 16,0 19,8	73,0 64,0 58,0 55,0 54,0 51,0 47,0 44,0	71,0 62,0 56,0 53,0 52,0 49,0 45,0 42,0	71,0 59,0 51,0 46,0 43,0 39,0 33,0 28,0	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										
4 x 2 x AWG 24 UTP Cat.5E ENHANCED + 2 x 0,5mm² - Int. Jacket PVC fire retardant Gray - Ext. LSZH Blue - Insulation C-4 (U0=400V)											
	44U-5	6,3	CU 0,51mm 79 Ohm/km	8,2 x 7,0	ISO/IEC 11801 D EIA/TIA 568 C2 EN 50173 IEC 332-1	1 4 10 16 20 31,2 62,5 100	1,9 3,9 6,2 7,9 8,9 11,2 16,0 19,8	73,0 64,0 58,0 55,0 54,0 51,0 47,0 44,0	71,0 62,0 56,0 53,0 52,0 49,0 45,0 42,0	71,0 59,0 51,0 46,0 43,0 39,0 33,0 28,0	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										

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



Fire Resistant cables

EN 50200 - UNI 9795:2013



Cables for Voice Evacuation Systems FG4OM1 (EV type) and FTE4OM1 (EM type)



Applications

Unshielded Fire-Resistant cables for 30 minutes (EV type) and 120 minutes (EM 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

EV=Silicon E2, EM=+XLPE

Insulation resistance at 20°C

Min 500 MOhm/Km

External Jacket

Thermoplastic LSZH M1 quality Violet

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +90 °C

Notes

Globally twisted.
Rif.rdp. n° 269806

Standards

UNI 9795:2013
CEI EN 50200 PH30
CEI 20-105 V1
CEI-UNEL 36762
CEI EN60332-3-25
CEI 20-36/4-0
CEI 20-37/2/3

	Part Num.	Conductor	Cond.Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
30 min	EV-25	CU 2x0,50 mm ² Red, Black	39	5,6	3,6	Mutual 100	M100 B500 1000
30 min	EV-45	CU 4x0,50 mm ² Red, Black , White, Blue	39	6,2	5,7	Mutual 100	M100 B500 1000
30 min	EV-27	CU 2x0,75 mm ² Red, Black	26	6,2	4,3	Mutual 110	M100 B500 1000
30 min	EV-47	CU 4x0,75 mm ² Red, Black , White, Blue	26	7,3	7,4	Mutual 110	M100 B500 1000
30 min	EV210	CU 2x1,00 mm ² Red, Black	19	6,3	5	Mutual 100	M100 B500 1000
30 min	EV410	CU 4x1,00 mm ² Red, Black , White, Blue	19	7,4	8,2	Mutual 120	M100 B500 1000
30 min	EV215	CU 2x1,50 mm ² Red, Black	12	7,4	6,5	Mutual 110	M100 B500 1000
30 min	EV415	CU 4x1,50 mm ² Red, Black , White, Blue	12	8,8	10,7	Mutual 130	M100 B500 1000
30 min	EV225	CU 2x2,50 mm ² Red, Black	8	8,4	9,2	Mutual 120	M100 B500 1000
30 min	EV425	CU 4x2,50 mm ² Red, Black , White, Blue	8	10,4	17	Mutual 140	M100 B500 1000
120 min	EM210	CU 2x1,0 mm ² Red, Black	18	8,7	8,5	Mutual 45	M100 B500 1000
120 min	EM215	CU 2x1,50 mm ² Red, Black	12	9,5	9,1	Mutual 50	M100 B500 1000
120 min	EM225	CU 2x2,50 mm ² Red, Black	8	10,5	12,4	Mutual 55	M100 B500 1000

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

Cables for Fire-Alarm systems FG40HM1 (PH type) and FTE40HM1 (PM type)



Applications

Shielded Fire-Resistant cables for 30 minutes (PH type) and 120 minutes (PM 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

PH=Silicon EI2, PM=+XLPE

Insulation resistance at 20°C

Min 500 MOhm/Km

Shielding

Al/Pet 100 %

External Jacket

Thermoplastic LSZH M1 quality Red

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +90 °C

Notes

Globally twisted.
Rif.rdp. n° 269806

Standards

UNI 9795:2013
CEI EN 50200 PH30
CEI 20-105 V1
CEI-UNEL 36762
CEI EN60332-3-25
CEI 20-36/4-0
CEI 20-37/2/3

	Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
30 min	PH-25	CU 2x0,50 mm ² Red, Black	39	6,0	4	Mutual 110	M100 B500 1000
30 min	PH-45	CU 4x0,50 mm ² Red, Black , White, Blue	39	6,2	5	Mutual 110	M100 B500 1000
30 min	PH-27	CU 2x0,75 mm ² Red, Black	26	6,3	6,2	Mutual 110	M100 B500 1000
30 min	PH-47	CU 4x0,75 mm ² Red, Black , White, Blue	26	6,6	6,5	Mutual 110	M100 B500 1000
30 min	PH210	CU 2x1,00 mm ² Red, Black	19	6,6	7	Mutual 120	M100 B500 1000
30 min	PH310	CU 3x1,00 mm ² Red, Black , White	19	7,4	8,7	Mutual 130	M100 B500 1000
30 min	PH410	CU 4x1,00 mm ² Red, Black , White, Blue	19	8,0	8,7	Mutual 130	M100 B500 1000
30 min	PH215	CU 2x1,50 mm ² Red, Black	12	8,0	8,5	Mutual 130	M100 B500 1000
30 min	PH315	CU 3x1,50 mm ² Red, Black , White	12	8,0	8,2	Mutual 130	M100 B500 1000
30 min	PH415	CU 4x1,50 mm ² Red, Black , White, Blue	12	8,6	10,5	Mutual 130	M100 B500 1000
30 min	PH225	CU 2x2,50 mm ² Red, Black	8	9,0	9,2	Mutual 160	M100 B500 1000
30 min	PH425	CU 4x2,50 mm ² Red, Black , White, Blue	8	10,2	14	Mutual 160	M100 B500 1000
120 min	PM210	CU 2x1,50 mm ² Red, Black	12	9,0	9	Mutual 50	M100 B500 1000
120 min	PM215	CU 2x1,50 mm ² Red, Black	12	9,7	9,5	Mutual 55	M100 B500 1000
120 min	PM225	CU 2x2,50 mm ² Red, Black	8	10,7	13	Mutual 60	M100 B500 1000

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

Cables for Fire-Alarm systems FG4OHM1 (SF type) and FG4OM1 (RF type)



Applications

120 minutes Fire-Resistant cables, shielded (SF type) and unshielded (RF 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 EI2 quality

Insulation resistance at 20°C

Min 500 MOhm/Km

Shielding

Al2 100 %

External Jacket

Thermoplastic LSZH M1 quality Red

Voltage Withstanding

C-4 (U0=400V)

Test Voltage

2,5 KV

Temperature rating

-20 / +90 °C

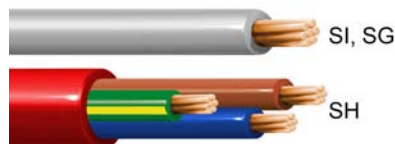
Standards

CEI EN 50200 PH120
CEI 20-36
CEI 20-22.III
CEI 20-37 2/4/6/7
IEC 331
IEC 332-3C
CEI-UNEL 36762

	Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
120 min	SF-25	CU 2x 0,5mm ² Red, Black	39	6,0	5,8	Mutual 100	M100 B500 B1000
120 min	SF-27	CU 2x 0,75mm ² Red, Black	26	6,6	6,2	Mutual 110	M100 B500 B1000
120 min	SF210	CU 2x 1mm ² Red, Black	19	7,2	4,5	Mutual 130	M100 B500 B1000
120 min	SF310	CU 3x 1mm ² Red, Black , White	19	7,4	7,7	Mutual 130	M100 B500 B1000
120 min	SF410	CU 4x 1mm ² Red, Black , White, Blue	19	8,6	10	Mutual 130	M100 B500 B1000
120 min	SF215	CU 2x 1,5mm ² Red, Black	12	8,0	5	Mutual 140	M100 B500 B1000
120 min	SF315	CU 3x 1,5mm ² Red, Black , White	12	8,4	8,3	Mutual 140	M100 B500 B1000
120 min	SF225	CU 2x 2,5mm ² Red, Black	8	8,6	8,8	Mutual 140	M100 B500 B1000
120 min	RF215	CU 2x 1,50mm ² Red, Black	12	8,2	10	Mutual 130	M100 B500 B1000
120 min	RF225	CU 2x 2,50mm ² Red, Black	8	8,4	17,4	Mutual 140	M100 B500 B1000
120 min	RF315	CU 3x 1,50mm ² Red, Black , White	12	11	16,5	Mutual 140	M100 B500 B1000
120 min	RF325	CU 3x 2,50mm ² Red, Black , White	8	12,1	12	Mutual 150	M100 B500 B1000

NOTE: 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
CEI 20-52

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
SI-05	CU 0,5mm ² White	39	2,1			M100
SI-07	CU 0,75mm ² White	26	2,4			M100
SI-10	CU 1,00mm ² White	19,5	2,5			M100
SI-15	CU 1,50mm ² White	13,3	2,8			M100
SI-25	CU 2,50mm ² White	7,9	3,4			M100
SG-05	CU 0,5mm ² White	39	2,3			M100
SG-07	CU 0,75mm ² White	26	2,6			M100
SG-10	CU 1,00mm ² White	19,5	2,7			M100
SG-15	CU 1,50mm ² White	13,3	3,0			M100
SG-25	CU 2,50mm ² White	7,9	3,6			M100
SH310	CUSn 3G1,00mm ² Blue, Brown, Yellow/Green	19,5	7,4			M100
SH315	CUSn 3G1,50mm ² Blue, Brown, Yellow/Green	13,3	8,0			M100
SH325	CUSn 3G2,50mm ² Blue, Brown, Yellow/Green	7,9	9,7			M100

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

Alarm and Anti-Intrusion



A BELDEN COMPANY

Alarm and security cables TRH /E (IP type)



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.

Standards

CEI 46-76
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
IP-02	CU 2x0,22 mm ² White, Brown	89	3,3	2,4	Mutual 120	M100 B500 1000
IP-42	CU 4x0,22 mm ² White, Brown, Green, Yellow	89	3,7	3,5	Mutual 120	M100 B500 1000
IP-62	CU 6x0,22 mm ² Colori secondo DIN 47100	89	4,5	2,7	Mutual 120	M100 B500 1000
IP-82	CU 8x0,22 mm ² Colori secondo DIN 47100	89	5,0	5,1	Mutual 120	M100 B500 1000
IP102	CU 10x0,22 mm ² Colori secondo DIN 47100	89	5,4	5,2	Mutual 120	M100 B500 1000
IP-05	CU 2x0,50 mm ² Red, Black	39	4,3	2,1	Mutual 120	M100 B500 1000
IP-25	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-45	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-65	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-85	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
IP105	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-07	CU 2x0,75 mm ² Red, Black	26	4,6	4,5	Mutual 120	M100 B500 1000
IP-27	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-47	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-67	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-87	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
IP107	CU 2x0,75 mm ² CU 10x0,22 mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 1000
IP127	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

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

Alarm and security cables TRH/R (IF type)



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

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
IF-02	CU 2x0,22mm ² White, Brown	89	3,3	1,5	Mutual 120	M100 MB300
IF-42	CU 4x0,22mm ² White, Brown, Green, Yellow	89	3,7	2,7	Mutual 120	M100 MB300
IF-62	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	3	Mutual 120	M100 MB250
IF-82	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	5	Mutual 120	M100
IF102	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	5,2	Mutual 120	M100
IF-05	CU 2x0,5mm ² Red, Black	39	4,3	3,7	Mutual 120	M100
IF-25	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	3	Mutual 120	M100 MB300
IF-45	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,9	3,8	Mutual 120	M100 MB300
IF-65	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,5	4,5	Mutual 120	M100
IF-85	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	6,7	Mutual 120	M100
IF105	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	7,5	Mutual 120	M100
IF-07	CU 2x0,75mm ² Red, Black	26	4,6	4,5	Mutual 120	M100
IF-27	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,7	Mutual 120	M100 MB300
IF-47	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,2	4,3	Mutual 120	M100 MB250
IF-67	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	7,2	Mutual 120	M100 MB250
IF-87	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	6,0	5,6	Mutual 120	M100
IF107	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100
IF127	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	6,8	8,5	Mutual 120	M100

NOTE: 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)



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.

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-02	CU 2x0,22mm ² White, Brown	89	3,3	1,6	Mutual 120	M100 B500 B1000
	IZ-07	CU 2x0,75mm ² Red, Black	26	5,3	3,5	Mutual 120	M100 B500 B1000
	IZ-42	CU 4x0,22mm ² White, Brown, Green, Yellow	89	3,7	2,8	Mutual 120	M100 B500 B1000
	IZ-62	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	3,7	Mutual 120	M100 B500 B1000
	IZ-82	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,7	Mutual 120	M100 B500 B1000
	IZ102	CU 10x0,22mm ² Colori secondo DIN 47100	89	5,4	3,7	Mutual 120	M100 B500 B1000
	IZ127	CU 2x0,75mm ² CU 12x0,22mm ² Red, Black, DIN 47100	26 89	6,8	8,5	Mutual 120	M100 B500 B1000
	IZ-05	CU 2x0,5mm ² Red, Black	39	4,3	3,7	Mutual 120	M100 B500 B1000
	IZ-25	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	3	Mutual 120	M100 B500 B1000
	IZ-45	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,9	3,8	Mutual 120	M100 MB300
	IZ-65	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,5	4,5	Mutual 120	M100 B500 B1000
	IZ-85	CU 2x0,5mm ² CU 8x0,22mm ² Red, Black, DIN 47100	39 89	5,8	6,7	Mutual 120	M100 B500 B1000
	IZ105	CU 2x0,5mm ² CU 10x0,22mm ² Red, Black, DIN 47100	39 89	6,2	7,5	Mutual 120	M100 B500 B1000
	IZ-27	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,7	Mutual 120	M100 B500 B1000
	IZ-47	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,2	4,3	Mutual 120	M100 B500 B1000
	IZ-67	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	7,2	Mutual 120	M100 B500 B1000
	IZ-87	CU 2x0,75mm ² CU 8x0,22mm ² Red, Black, DIN 47100	26 89	6,0	5,6	Mutual 120	M100 B500 B1000
	IZ107	CU 2x0,75mm ² CU 10x0,22mm ² Red, Black, DIN 47100	26 89	6,5	8	Mutual 120	M100 B500 B1000

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



Alarm and security cables FR2OHR (FA type)



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

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-02	CU 2x0,22mm ² White, Brown	89	3,2	1,3	Mutual 120	M100 MB300
FA-04	CU 4x0,22mm ² White, Brown, Green, Yellow	89	4,0	2,1	Mutual 120	M100 MB300
FA-06	CU 6x0,22mm ² Colori secondo DIN 47100	89	4,5	2,3	Mutual 120	M100 MB300
FA-08	CU 8x0,22mm ² Colori secondo DIN 47100	89	5,0	3,5	Mutual 120	M100
FA-09	CU 2x0,5mm ² Red, Black,	39	4,2	2,5	Mutual 120	M100
FA-10	CU 2x0,5mm ² CU 2x0,22mm ² Red, Black, DIN 47100	39 89	4,3	2,9	Mutual 120	M100 MB250
FA-12	CU 2x0,5mm ² CU 4x0,22mm ² Red, Black, DIN 47100	39 89	4,8	3,6	Mutual 120	M100 MB250
FA-14	CU 2x0,5mm ² CU 6x0,22mm ² Red, Black, DIN 47100	39 89	5,4	4,4	Mutual 120	M100 MB250
FA-16	CU 2x0,75mm ² Red, Black,	26	4,6	3	Mutual 120	M100 MB250
FA-18	CU 2x0,75mm ² CU 2x0,22mm ² Red, Black, DIN 47100	26 89	4,7	3,8	Mutual 120	M100 MB250
FA-20	CU 2x0,75mm ² CU 4x0,22mm ² Red, Black, DIN 47100	26 89	5,1	4,3	Mutual 120	M100 MB250
FA-22	CU 2x0,75mm ² CU 6x0,22mm ² Red, Black, DIN 47100	26 89	5,8	5,2	Mutual 120	M100 MB250

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

Alarm and security cables FM9OHM1 (FM type)



Applications

Cables for burglar alarm systems, fire and smoke detection, in public places such as banks, hospitals, supermarkets, hotels, theatres, etc. 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

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-25	CU 1x2x0,5mm ² CU 1x2x0,22mm ² Colori secondo CEI 46-76	39 89	5,6	3,5	Mutual 120	M100
FM-27	CU 1x2x0,75mm ² CU 1x2x0,22mm ² Colori secondo CEI 46-76	26 89	5,6	4,3	Mutual 120	M100
FM-45	CU 1x2x0,5mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	39 89	6,1	4,8	Mutual 120	M100
FM-47	CU 1x2x0,75mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	26 89	6,3	5,5	Mutual 120	M100
FM-67	CU 1x2x0,75mm ² CU 3x2x0,22mm ² Colori secondo CEI 46-76	26 89	7,0	6,4	Mutual 120	M100
FM-87	CU 1x2x0,75mm ² CU 4x2x0,22mm ² Colori secondo CEI 46-76	26 89	7,3	7,2	Mutual 120	M100
FM27D	CU 1x2x0,75mm ² CU 2x0,22mm ² Colori secondo CEI 46-76	26 89	8,3	6,2	Mutual 120	M100
FM47D	CU 1x2x0,75mm ² CU 2x2x0,22mm ² Colori secondo CEI 46-76	26 89	8,3	7,2	Mutual 120	M100
FM67D	CU 1x2x0,75mm ² CU 3x2x0,22mm ² Colori secondo CEI 46-76	26 89	8,4	7,2	Mutual 120	M100

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

Alarm and security cables FR2OHM1 (ZL type)



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

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

Standards

CEI 46-76 p.q.a.
CEI EN 60332-1-2
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
	ZL-21	CU 2x 1mm ² Red, Black	19	6,1	5	Mutual 120	M100 MB300 B500 B1000
	ZL-2P	CU 2x 1,5mm ² CU 2x 0,22mm ² Red, Black, White, Brown	12 89	6,5	6,5	Mutual 120	M100 B1000
	ZL-41	CU 4x 1mm ² White, Brown, Green, Yellow	19	7,0	7,9	Mutual 120	M100 B500 B1000
	ZL215	CU 2x 1,5mm ² Red, Black	12	6,7	6	Mutual 120	M100 B500 B1000
	ZL21D	CU 2x 1mm ² Red, Black	19	7,8	8,5	Mutual 120	M100 B500 B1000
	ZL221	CU 2x 2x 1mm ² White/Brown e Green/Yellow	19	8,3	8,2	Mutual 120	M100 B500 B1000
	ZL227	CU 2x 2x 0,75mm ² White/Brown e Green/Yellow	26	7,2	6,8	Mutual 120	M100 B500 B1000
	ZL251	CU 2x 1mm ² CU 2x 0,5mm ² Red, Black, White, Brown	19 39	6,1	6,2	Mutual 120	M100 B500
	ZL27D	CU 2x 0,75mm ² CU 2x 0,22mm ² Red, Black, White, Brown	26 89	6,9	4,4	Mutual 120	M100 B500 B1000
	ZL405	CU 4x 0,5mm ² White, Brown, Green, Yellow	39	6,1	4,9	Mutual 120	M100 B500 B1000
	ZL455	CU 2x 1,5mm ² CU 4x 0,5mm ² Red, Black, DIN 47100	12 39	7,3	9,2	Mutual 120	M100 B500 B1000
	ZL475	CU 4x 0,75mm ² White, Brown, Green, Yellow	26	6,8	5,7	Mutual 120	M100 B500 B1000
	ZL47D	CU 2x 0,75mm ² CU 4x 0,22mm ² Red, Black, DIN 47100	26 89	7,0	8,3	Mutual 120	M100 B500 B1000
	ZL605	CU 6x 0,5mm ² Colori secondo DIN 47100	39	6,4	5,1	Mutual 120	M100 B500 B1000

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



Multiconductor cables

Shielded cables for data and control transmission



Data transmission shielded cables FROHH2R (FR type)



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

Standards

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

Packaging

M100

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
FR-23	CU 2x0,35mm ²	50	4,3	3,2	Colori secondo DIN 47100
FR-33	CU 3x0,35mm ²	50	4,5	3,5	Colori secondo DIN 47100
FR-43	CU 4x0,35mm ²	50	4,8	4	Colori secondo DIN 47100
FR-53	CU 5x0,35mm ²	50	5,8	5	Colori secondo DIN 47100
FR-63	CU 6x0,35mm ²	50	5,9	5,5	Colori secondo DIN 47100
FR-73	CU 7x0,35mm ²	50	6,0	6,5	Colori secondo DIN 47100
FR-25	CU 2x0,5mm ²	39	4,7	3,2	Colori secondo DIN 47100
FR-35	CU 3x0,5mm ²	39	5,0	4,2	Colori secondo DIN 47100
FR-45	CU 4x0,5mm ²	39	5,8	5	Colori secondo DIN 47100
FR-55	CU 5x0,5mm ²	39	6,2	6,1	Colori secondo DIN 47100
FR-65	CU 6x0,5mm ²	39	6,4	7,1	Colori secondo DIN 47100
FR-75	CU 7x0,5mm ²	39	6,5	7,7	Colori secondo DIN 47100
FR-85	CU 8x0,5mm ²	39	7,2	9,2	Colori secondo DIN 47100
FR105	CU 10x0,5mm ²	39	8,5	11,3	Colori secondo DIN 47100
FR125	CU 12x0,5mm ²	39	9,0	15,3	Colori secondo DIN 47100
FR-27	CU 2x0,75mm ²	26	5,0	4,2	Colori secondo DIN 47100
FR-37	CU 3x0,75mm ²	26	5,4	5,4	Colori secondo DIN 47100
FR-47	CU 4x0,75mm ²	26	6,5	6,8	Colori secondo DIN 47100
FR-57	CU 5x0,75mm ²	26	6,7	7,5	Colori secondo DIN 47100
FR-67	CU 6x0,75mm ²	26	7,0	9,5	Colori secondo DIN 47100
FR-77	CU 7x0,75mm ²	26	7,2	10,6	Colori secondo DIN 47100
FR-87	CU 8x0,75mm ²	26	7,6	11,1	Colori secondo DIN 47100
FR107	CU 10x0,75mm ²	26	9,1	13,9	Colori secondo DIN 47100
FR127	CU 12x0,75mm ²	26	9,5	15,9	Colori secondo DIN 47100
FR-21	CU 2x1mm ²	19	6,1	5,9	Colori secondo DIN 47100
FR-31	CU 3x1mm ²	19	6,3	6,9	Colori secondo DIN 47100
FR-41	CU 4x1mm ²	19	7,1	8,7	Colori secondo DIN 47100
FR-51	CU 5x1mm ²	19	7,9	10,8	Colori secondo DIN 47100
FR-61	CU 6x1mm ²	19	8,1	12	Colori secondo DIN 47100
FR-71	CU 7x1mm ²	19	8,5	13,8	Colori secondo DIN 47100
FR-81	CU 8x1mm ²	19	9,4	16,2	Colori secondo DIN 47100
FR101	CU 10x1mm ²	19	10,60	19,8	Colori secondo DIN 47100
FR215	CU 2x1,5mm ²	12	6,9	7,2	Colori secondo DIN 47100
FR315	CU 3x1,5mm ²	12	7,1	8,7	Colori secondo DIN 47100
FR415	CU 4x1,5mm ²	12	8,0	11,8	Colori secondo DIN 47100
FR515	CU 5x1,5mm ²	12	9,2	14,5	Colori secondo DIN 47100
FR615	CU 6x1,5mm ²	12	9,5	16,6	Colori secondo DIN 47100
FR715	CU 7x1,5mm ²	12	10	17	Colori secondo DIN 47100
FR225	CU 2x2,5mm ²	8	7,7	9,5	Colori secondo DIN 47100
FR325	CU 3x2,5mm ²	8	8,1	12,5	Colori secondo DIN 47100
FR425	CU 4x2,5mm ²	8	9,3	16,5	Colori secondo DIN 47100

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

Data transmission shielded cables FR2OHH2R (CY type)



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

Standards

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

Packaging

M100
B500
B1000

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
CY-2A	CU 2x0,22mm ²	89	3,9	2,4	Colori secondo DIN 47100
CY-3A	CU 3x0,22mm ²	89	4,2	3	Colori secondo DIN 47100
CY-4A	CU 4x0,22mm ²	89	4,5	3,4	Colori secondo DIN 47100
CY-5A	CU 5x0,22mm ²	89	4,8	4	Colori secondo DIN 47100
CY-6A	CU 6x0,22mm ²	89	5,1	4,4	Colori secondo DIN 47100
CY-8A	CU 8x0,22mm ²	89	5,7	5	Colori secondo DIN 47100
CY10A	CU 10x0,22mm ²	89	5,8	5,2	Colori secondo DIN 47100
CY12A	CU 12x0,22mm ²	89	6,9	8,8	Colori secondo DIN 47100
CY16A	CU 16x0,22mm ²	89	7,4	9,3	Colori secondo DIN 47100
CY-2C	CU 2x0,35mm ²	50	4,1	3,1	Colori secondo DIN 47100
CY-3C	CU 3x0,35mm ²	50	4,5	3,4	Colori secondo DIN 47100
CY-4C	CU 4x0,35mm ²	50	4,6	3,9	Colori secondo DIN 47100
CY-5C	CU 5x0,35mm ²	50	5,5	4,8	Colori secondo DIN 47100
CY-6C	CU 6x0,35mm ²	50	5,6	5,3	Colori secondo DIN 47100
CY-8C	CU 8x0,35mm ²	50	7,0	7,6	Colori secondo DIN 47100
CY-2G	CU 2x0,5mm ²	39	4,5	3,2	Colori secondo DIN 47100
CY-3G	CU 3x0,5mm ²	39	4,8	4,2	Colori secondo DIN 47100
CY-4G	CU 4x0,5mm ²	39	5,6	4,9	Colori secondo DIN 47100
CY-5G	CU 5x0,5mm ²	39	5,9	5,9	Colori secondo DIN 47100
CY-6G	CU 6x0,5mm ²	39	6,2	6,9	Colori secondo DIN 47100
CY-7G	CU 7x0,5mm ²	39	6,2	7,5	Colori secondo DIN 47100
CY-8G	CU 8x0,5mm ²	39	7,3	9	Colori secondo DIN 47100
CY10G	CU 10x0,5mm ²	39	7,6	11	Colori secondo DIN 47100
CY12G	CU 12x0,5mm ²	39	8,6	15	Colori secondo DIN 47100
CY16G	CU 16x0,5mm ²	39	10,4	20	Colori secondo DIN 47100
CY24G	CU 24x0,5mm ²	39	12,4	27	Colori secondo DIN 47100
CY-2L	CU 2x0,75mm ²	26	4,9	4,2	Colori secondo DIN 47100
CY-3L	CU 3x0,75mm ²	26	5,1	5,3	Colori secondo DIN 47100
CY-4L	CU 4x0,75mm ²	26	6,3	6,8	Colori secondo DIN 47100
CY-5L	CU 5x0,75mm ²	26	6,4	7,3	Colori secondo DIN 47100
CY-6L	CU 6x0,75mm ²	26	6,7	9,3	Colori secondo DIN 47100
CY-8L	CU 8x0,75mm ²	26	7,4	10,8	Colori secondo DIN 47100
CY-2N	CU 2x1mm ²	19	6,1	5,7	Colori secondo DIN 47100
CY-3N	CU 3G1mm ²	19	6,1	6,8	Colori secondo UNEL 00722
CY-4N	CU 4G1mm ²	19	6,9	8,6	Colori secondo UNEL 00722
CY-5N	CU 5x1mm ²	19	7,3	10,3	Colori secondo DIN 47100
CY-7N	CU 7x1mm ²	19	8,2	13,5	Colori secondo DIN 47100
CY10N	CU 10x1mm ²	19	10,3	19,5	Colori secondo DIN 47100
CY-2P	CU 2x1,5mm ²	12	6,7	7,1	Colori secondo UNEL 00722
CY-3P	CU 3G1,5mm ²	12	6,9	8,6	Colori secondo UNEL 00722
CY-4P	CU 4G1,5mm ²	12	7,8	11,8	Colori secondo UNEL 00722
CY-5P	CU 5G1,5mm ²	12	9,1	14	Colori secondo UNEL 00722
CY-2Q	CU 2x2,5mm ²	8	7,5	9,4	Colori secondo UNEL 00722
CY-3Q	CU 3G2,5mm ²	8	7,9	12,3	Colori secondo UNEL 00722
CY-4Q	CU 4G2,5mm ²	8	9,1	16,4	Colori secondo UNEL 00722
CY-5Q	CU 5G2,5mm ²	8	9,4	17	Colori secondo UNEL 00722
CY-6Q	CU 6G2,5mm ²	8	9,9	20	Colori secondo UNEL 00722

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

LSZH shielded cables for data transmission FROHH2M1 (FZ type)



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

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

Standards

CEI 20-37/2
CEI 20-37/7
CEI 20-37/4/6
CEI 20-22.III
IEC 61034
IEC 60332.3C
IEC 60754-1-2
CEI-UNEL 36762

	Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
	FZ-25	CU 2x 0,5mm ² Colori secondo DIN 47100	39	4,8	3	Mutual 120	M100
	FZ-35	CU 3x 0,5mm ² Colori secondo DIN 47100	39	5,0	3,8	Mutual 120	M100 MB250
	FZ-45	CU 4x 0,5mm ² Colori secondo DIN 47100	39	5,5	4,7	Mutual 120	M100 MB250
	FZ-65	CU 6x 0,5mm ² Colori secondo DIN 47100	39	6,7	6,3	Mutual 120	M100
	FZ-85	CU 8x 0,5mm ² Colori secondo DIN 47100	39	7,3	8,5	Mutual 120	M100
	FZ-27	CU 2x 0,75mm ² Colori secondo DIN 47100	26	5,3	3,7	Mutual 120	M100
	FZ-37	CU 3x 0,75mm ² Colori secondo DIN 47100	26	5,5	5	Mutual 120	M100
	FZ-47	CU 4x 0,75mm ² Colori secondo DIN 47100	26	6,3	6,3	Mutual 120	M100
	FZ-67	CU 6x 0,75mm ² Colori secondo DIN 47100	26	7,2	8,7	Mutual 120	M100
	FZ-21	CU 2x 1mm ² Colori secondo DIN 47100	19	6,1	5,2	Mutual 130	M100
	FZ-31	CU 3x 1mm ² Colori secondo DIN 47100	19	6,4	6,7	Mutual 130	M100
	FZ-41	CU 4x 1mm ² Colori secondo DIN 47100	19	7,1	9,1	Mutual 130	M100
	FZ-51	CU 5x 1mm ² Colori secondo DIN 47100	19	8,0	10,6	Mutual 130	M100
	FZ-61	CU 6x 1mm ² Colori secondo DIN 47100	19	8,3	12	Mutual 130	M100
	FZ215	CU 2x 1,5mm ² Colori secondo DIN 47100	12	6,9	6,6	Mutual 140	M100
	FZ325	CU 3x 2,5mm ² Colori secondo DIN 47100	8	8,2	12,5	Mutual 150	M100
	FZ415	CU 4x 1,5mm ² Colori secondo DIN 47100	12	8,2	12	Mutual 140	M100

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



Data transmission shielded cables FR2OH2R (SC type)



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

Standards

CEI 20-22.III
CEI 20-20
IEC 332.3C
VDE 0812
ENI 0.181.00
IEC189.2
CEI UNEL 36762

Packaging

M100
B500
B1000

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Coded Colors
SC-22	CU 2x0,25mm ²	87	4,0	2,3	Colori secondo DIN 47100
SC-32	CU 3x0,25mm ²	89	4,5	3,7	Colori secondo DIN 47100
SC-42	CU 4x0,25mm ²	89	4,9	3,4	Colori secondo DIN 47100
SC-52	CU 5x0,25mm ²	89	5,5	5,3	Colori secondo DIN 47100
SC-62	CU 6x0,25mm ²	89	5,7	4,6	Colori secondo DIN 47100
SC-72	CU 7x0,25mm ²	89	5,8	6	Colori secondo DIN 47100
SC-82	CU 8x0,25mm ²	89	6,1	5,3	Colori secondo DIN 47100
SC-23	CU 2x0,35mm ²	50	4,8	3,3	Colori secondo DIN 47100
SC-33	CU 3x0,35mm ²	50	5,0	3,9	Colori secondo DIN 47100
SC-43	CU 4x0,35mm ²	50	5,7	4,9	Colori secondo DIN 47100
SC-53	CU 5x0,35mm ²	50	6,2	6,2	Colori secondo DIN 47100
SC-63	CU 6x0,35mm ²	50	6,3	6,2	Colori secondo DIN 47100
SC-73	CU 7x0,35mm ²	50	7,5	7,8	Colori secondo DIN 47100
SC-83	CU 8x0,35mm ²	50	7,0	7,9	Colori secondo DIN 47100
SC-15	CU 1x0,5mm ²	39	3,1	1,5	Colori secondo DIN 47100
SC-25	CU 2x0,5mm ²	39	5,1	4	Colori secondo DIN 47100
SC-35	CU 3x0,5mm ²	39	5,2	4,3	Colori secondo DIN 47100
SC-45	CU 4x0,5mm ²	39	6,0	5,3	Colori secondo DIN 47100
SC-65	CU 6x0,5mm ²	39	6,8	7,2	Colori secondo DIN 47100
SC-85	CU 8x0,5mm ²	39	7,4	8,7	Colori secondo DIN 47100
SC105	CU 10x0,5mm ²	39	8,2	10	Colori secondo DIN 47100
SC-27	CU 2x0,75mm ²	26	5,5	5	Colori secondo DIN 47100
SC-37	CU 3x0,75mm ²	26	5,5	5,6	Colori secondo DIN 47100
SC-47	CU 4x0,75mm ²	26	6,6	7,1	Colori secondo DIN 47100
SC-21	CU 2x1mm ²	19	6,4	5,8	Colori secondo DIN 47100
SC-31	CU 3x1mm ²	19	6,6	6,9	Colori secondo DIN 47100
SC-41	CU 4x1mm ²	19	7,5	8,4	Colori secondo DIN 47100
SC-51	CU 5x1mm ²	19	8,4	10,7	Colori secondo DIN 47100
SC215	CU 2x1,5mm ²	12	7,3	7,2	Colori secondo DIN 47100
SC315	CU 3x1,5mm ²	12	7,4	9,1	Colori secondo DIN 47100
SC415	CU 4x1,5mm ²	12	8,5	11,6	Colori secondo DIN 47100
SC515	CU 5x1,5mm ²	12	9,3	16,5	Colori secondo DIN 47100
SC225	CU 2x2,5mm ²	8	8,0	10,5	Colori secondo DIN 47100
SC325	CU 2x2,5mm ²	8	8,6	14,5	Colori secondo DIN 47100

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

Data transmission shielded cables FR2OH2R (LIYCY type)



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

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
LI-22	CU 2x0,25mm ² Colori secondo DIN 47100	89	4,1	2,8	Mutual 100	M100 B500 B1000
LI-42	CU 4x0,25mm ² Colori secondo DIN 47100	89	4,8	3,8	Mutual 100	M100 B500 B1000
LI-62	CU 6x0,25mm ² Colori secondo DIN 47100	89	5,6	5,3	Mutual 100	M100 B500 B1000
LI-82	CU 8x0,25mm ² Colori secondo DIN 47100	89	6,2	6,5	Mutual 100	M100 B500 B1000
LI102	CU 10x0,25mm ² Colori secondo DIN 47100	89	6,7	7,9	Mutual 100	M100 B500 B1000
LI122	CU 12x0,25mm ² Colori secondo DIN 47100	89	7,3	9,2	Mutual 100	M100 B500 B1000
LI-23	CU 2x0,35mm ² Colori secondo DIN 47100	50	4,4	3,4	Mutual 110	M100 B500 B1000
LI-43	CU 4x0,35mm ² Colori secondo DIN 47100	50	5,0	4,3	Mutual 110	M100 B500 B1000
LI-25	CU 2x0,5mm ² Colori secondo DIN 47100	39	4,8	3,9	Mutual 120	M100 B500 B1000
LI-45	CU 4x0,5mm ² Colori secondo DIN 47100	39	6,0	5,9	Mutual 120	M100 B500 B1000
LI-65	CU 6x0,5mm ² Colori secondo DIN 47100	39	6,7	7,5	Mutual 120	M100 B500 B1000
LI165	CU 16x0,5mm ² Colori secondo DIN 47100	39	10,6	20	Mutual 120	M100 B500 B1000
LI-21	CU 2x1mm ² DIN 47100	19	6,2	6	Mutual 130	M100 B500 B1000
LI-41	CU 4x1mm ² Colori secondo DIN 47100	19	7,6	10,1	Mutual 130	M100 B500 B1000
LI215	CU 2x1,5mm ² Colori secondo DIN 47100	13	6,2	6	Mutual 140	M100 B500 B1000

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

Data transmission shielded cables LiYCY (LD,LID type) and LiHCH (LH, LZ type)



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

-30 / +80 °C

Notes

Globally twisted

Standards

VDE0812 (p.q.a.)
IEC 60332-1-2
DIN47100
CEI UNEL 36762

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
LD-37°	CU 3x 0,75mm ² colors by DIN47100	26	5,3	4,9	Mutual 125	On request
LD-51°	CU 4x 1,0 mm ² colors by DIN47100	19	7,7	6,9	Mutual 130	On request
LD105°	CU 10x 0,5 mm ² colors by DIN47100	39	7,9	10,3	Mutual 120	On request
LD127°	CU 12x 0,75 mm ² colors by DIN47100	26	9,0	16,4	Mutual 125	On request
LD415°	CU 4x 1,5 mm ² colors by DIN47100	13	8,0	11,6	Mutual 140	On request
LH-47	CU 4x 0,75 mm ² colors by DIN47100	26	6,4	6,4	Mutual 100	B500 B1000
LID27°	CU 2x 0,75 mm ² colors by DIN47100	26	5,3 ± 0,2	4,4	Mutual 80	On request
LID47°	CU 4x 0,75 mm ² colors by DIN47100	26	6,5 ± 0,2	6,4	Mutual 120	On request
LJ127°	CU 12x 0,75mm ² Numbered black + Yellow - Green	26	9,4 ± 0,2	16,5	Mutual 120	On request
LJ257°	CU 24x 0,75mm ² Numbered black + Yellow - Green	26	13,0 ± 0,2	30	Mutual 120	On request
LO-27°	CU 2x 0,75 mm ² Numbered black	26	5,6	4,6	Mutual 25	On request
LO-47°	CU 4x 0,75 mm ² Numbered black	26	6,2	6,5	Mutual 125	On request
LZ-21	CU 2x 1,0 mm ² Blue / Brown	18	6,9	7,3	Mutual 110	B500 B1000
LZ-41	CU 4x 1,0 mm ² Blue / Brown / Black / Gray	18	8,3	11	Mutual 110	B500 B1000
LZ-71	CU 7x 1,0 mm ² Numbered black	18	9,2	15,5	Mutual 110	B500 B1000
LZ215	CU 2x 1,5 mm ² Blue / Brown	12	7,5	9,1	Mutual 120	B500 B1000

NOTE: 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.

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-22	CU 2x2x0,25mm ² colors by DIN 47100	78	5,6	4,6	Mutual 100	M100 B500 B1000
LX-27	CU 2x2x0,75mm ² colors by DIN 47100	26	7,5	7,5	Mutual 130	M100 B500 B1000
LX-32	CU 3x2x0,25mm ² colors by DIN 47100	78	6,5	6,5	Mutual 100	M100 B500 B1000
LX-42	CU 4x2x0,25mm ² colors by DIN 47100	78	7,1	7,7	Mutual 100	M100 B500 B1000
LX-52	CU 5x2x0,25mm ² colors by DIN 47100	78	7,7	9	Mutual 100	B500 B1000
LX25C	CU 2x2x0,5mm ² colors by DIN 47100	39	7,0	7	Mutual 120	M100 B500 B1000
LX35C	CU 3x2x0,5mm ² colors by DIN 47100	39	8,3	9,4	Mutual 120	M100 B500 B1000
LX376	CU 3x2x0,75mm ² colors by DIN 47100	26	8,0	10,2	Mutual 130	M100 B500 B1000
LXD24°	CU 2X2x0,14mm ² colors by DIN 47100	122	4,4 ± 0,2	2	Mutual 60	On request
LXD25°	CU 2X2x0,5mm ² colors by DIN 47100	39	6,3 ± 0,2	5,5	Mutual 110	On request
LXD45°	CU 4X2x0,5mm ² colors by DIN 47100	39	8,1	12	Mutual 60	On request
LXD47°	CU 4X2x0,75mm ² colors by DIN 47100	26	8,5 ± 0,2	13	Mutual 120	On request
LXD6G°	CU 16X2x0,5mm ² colors by DIN 47100	39	15,0 ± 0,5	20	Mutual 120	On request
FX164°	CU 16x2x0,14 mm ² DIN47100	120	10,0	11,6	Mutual 90	On request

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

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



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.

Standards

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

Part Num.	Conductor	Cond. Res. Ohm/Km	Diameter mm	Weight Kg/100m	Capacity pF/m	Packaging
LXP07	CU 1X2x0,75mm ² colors by DIN 47100	26	6,5	10	Mutual 60	M100 B500 B1000
LXP25	CU 2X2x0,5mm ² colors by DIN 47100	39	8,3	10	Mutual 60	M100 B500 B1000
LXP27	CU 2X2x0,75mm ² Colori secondo DIN 47100	26	9,3	15	Mutual 60	M100 B500 B1000
LXP35	CU 3X2x0,5mm ² colors by DIN 47100	39	8,5	11	Mutual 60	M100 B500 B1000
LXP45	CU 4X2x0,5mm ² Colori secondo DIN 47100	39	10,5	14	Mutual 60	M100 B500 B1000
LXP47	CU 4X2x0,75mm ² Colori secondo DIN 47100	26	10,8	17	Mutual 60	M100 B500 B1000
LXP67	CU 6X2x0,75mm ² colors by DIN 47100	26	12,0	15	Mutual 60	M100 B500 B1000
LXP85	CU 8x2x0,5mm ² colors by DIN 47100	39	12,0	20,0	Mutual 60	M100 B500 B1000

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

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



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

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-21	CU 2x 1mm ² Colori secondo UNEL 00722	18	6,8	6,7		M100
NP-31	CU 3 Gx 1mm ² Colori secondo UNEL 00722	18	6,9	7		M100
NP-41	CU 4 Gx 1mm ² Colori secondo UNEL 00722	18	8,0	9,8		M100
NP215	CU 2x 1,5mm ² Colori secondo UNEL 00722	13	7,6	8		M100
NP315	CU 3 Gx 1,5mm ² Colori secondo UNEL 00722	13	8,2	9,8		M100
NP325	CU 3 Gx 2,5mm ² Colori secondo UNEL 00722	8	10,1	15,9		M100
NP415	CU 4 Gx 1,5mm ² Colori secondo UNEL 00722	13	9,3	13,5		M100

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



Accessories and Connectors



Cod. ACCRP

AC-SI for SA-75 / SA300
AC-01 for SAEX1 / H124 / H128
AC-EA for SA-59 / H121
AC-G7 for PRG7



Cod. ACPBN

ACF36 for SA36 / H122
AC123 for SAE60 / H123
ACBAA for RG58 BNC
ACBAB for RG59 / RG62



Cod. AC476

ACG11 for SAPAD / PRG11
AC-SI for SA-75 / SA300
AC-G7 for PRG7



A Belden Company

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-O1

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).



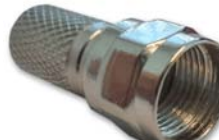
AV128

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

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.

Our Packaging

Ending part of the product code

Ending part of the product code	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.



Sheath Colour Guide

Sheath Colors (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

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 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 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)		Flex copper (Ohm) (Red)	
		(Tinned)		(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 inprinted numbers
O	Cable without ground-core
OZ	Cable without green-yellow ground-core and cores with inprinted numbers

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Multi-core cables are made with the best twisting step in order to ensure the best flexibility.



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