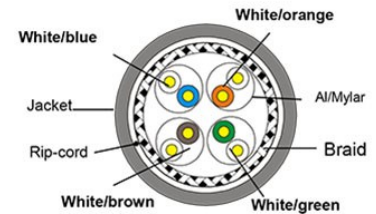


PRODUCT SPECIFICATION

CONNECT

IT

EUROLAN Coppercable C6A S/FTP B2CA



Ordering information

Part number	E-number	Description
19B2-SA-23WT-R500	4903315	EuroLAN C6a 4pair S/FTP LSZH White B2ca 500m/reel

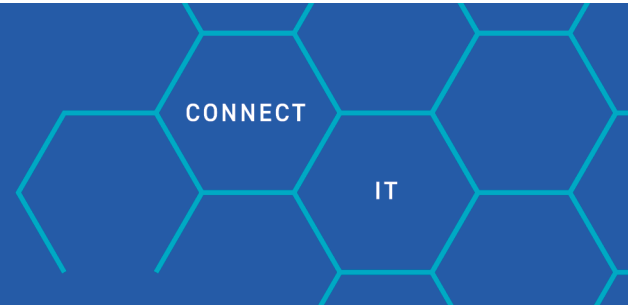
Construction

Conductor	Bare copper wire \varnothing 0,565 mm (AWG23)
Insulation	Skin-foam-skin Polyethylene, \varnothing 1.33 \pm 0,05 mm
Twisting	2 cores to the pair
Pair screen	Al/Mylar
Outer screen	Tinned copper 0,10mm coverage \geq 30%
Cable lay up	4 pairs (PIMF) to the core
Sheath	0,55 \pm 0,05 mm FR-LSZH (complies RoHS)
Outer diameter	\varnothing 7,8 \pm 0,5mm
Ripcord	Yes
Weight kg/km	58
Nominal Velocity of propagation (NVP)	74%
Sheath physical properties Aging period 100°Cx24hx7d	Before aging Tensile strength (MPa) \geq 10,0
	Before aging Elongation (%) \geq 125
	After aging Tensile strength (MPa) \geq 8,0
	After aging Elongation (%) \geq 100
	Cold bend (-20 \pm 2°Cx4h) 8 x OD No visible cracks
Impedance (Ω)	1,0-250,0 MHz 100 \pm 15
	250-500,0 MHz 100 \pm 22
Delay Skew	1,0-500,0 MHz (ns/100m) \leq 45
Unbalanced to ground capacitance	Max 330
DC resistance	Ω /100m max 9,38
DC Conductor resistance unbalanced (%)	Max 5,0



- Verified for high-speed applications up to 500 MHz (10Gbit Ethernet)
- **Application:**
Primary (campus), Secondary (riser), Tertiary (horizontal)
IEEE 802.3:
10/100/1000/10000/10GBaseT
IEEE 802.5 16MB; ISDN; TPDDI;
ATM
Power over Etherne (PoE):
4PPoE 100W
- **Standards:**
EIA/TIA 568-C.2
ISO/IEC 11801 2nd ed;
IEC 61156-5 EN 50173-1;
EN 50288-10; IEEE 802.3af
- **Fire rating:**
EN 50399: Class B2ca-s1a,d1,a1
EN-50575:2014+A1:2016
LSZH: IEC 60332-1; IEC 60754-2;
IEC 61034

PRODUCT SPECIFICATION



EUROLAN Coppercable C6A S/FTP B2CA

Mechanical Properties		
Bending radius	Installation	8 x OD
	Installed	4 x OD
Temperature range	During operation	-20°C to + 70°C
	During installation	0°C to + 50°C

Technical Performance (100m)						
Frequency (MHz)	RL >dB	ATT <dB	NEXT >dB	PSNEXT >dB	ELFEXT >dB	PSELFEXT >dB
1	20,0		74,3	72,3	67,8	64,8
4,0	23,0	3,8	65,3	63,3	55,8	52,8
10,0	25,0	5,9	59,3	57,3	47,8	44,8
16,0	25,0	7,5	56,2	54,2	43,7	40,7
20,0	25,0	8,4	54,8	52,8	41,8	38,8
31,25	23,6	10,5	51,9	49,9	37,9	34,9
62,5	21,5	15,0	47,4	45,4	31,9	28,9
100	20,1	19,1	44,3	42,3	27,8	24,8
200	18,0	27,6	39,8	37,8	21,8	18,8
250	17,3	31,1	38,3	36,3	19,8	16,8
300	16,8	34,3	37,1	35,1	18,3	15,3
500	15,2	45,3	33,8	31,8	13,8	10,8