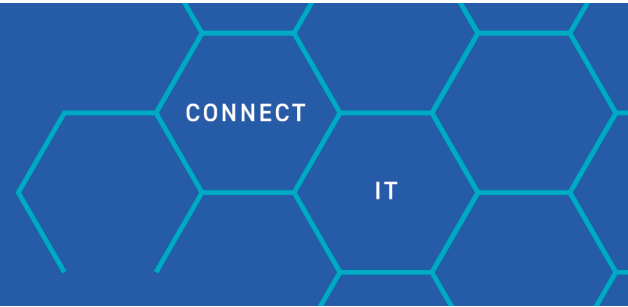


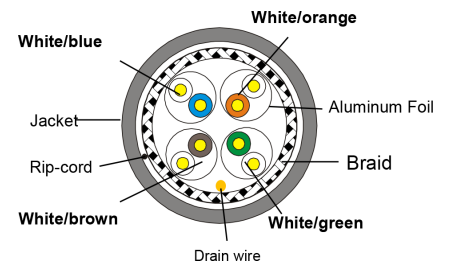
PRODUCT SPECIFICATION



EUROLAN Coppercable C6A S/FTP Outdoor



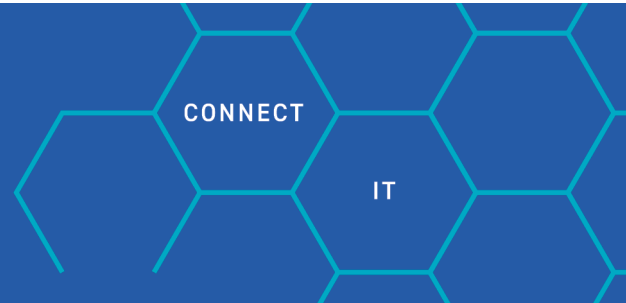
Ordering information		
Part number	E-number	Description
19C-SA-07BL-R500	4938015	Eurolan C6A 4 pair S/FTP PE Outdoor 500m/reel



Construction	
Conductor	Bare copper wire \varnothing 0,56 mm (AWG23)
Insulation	Skin-foam-skin Polyethylene, \varnothing 1.33 \pm 0,05 mm
Twisting	2 cores to the pair
Pair screen	Aluminium foil, drain wire
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 LDPE (complies RoHS)
Outer diameter	\varnothing 7,6 \pm 0,5mm
Ripcord	Yes
Sheath physical properties	Before aging Tensile strength (MPa) \geq 10,0
	Before aging Elongation (%) \geq 350
	After aging Elongation (%) \geq 300
Aging period 100°Cx24hx10d	Cold bend (-20 \pm 2°Cx4h) No visible cracks
Delay Skew	(ns/100m) \leq 45
NVP (%)	76
Unbalanced to ground capacitance	(PF/100M) Max 330
DC resistance	Ω /100m max 9,38
DC Conductor resistance unbalanced (%)	Max 2,0

- 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 Ethernet (PoE)/ PoE+
- **Standards:**
EIA/TIA 568-C.2
ISO/IEC 11801

PRODUCT SPECIFICATION



EUROLAN Coppercable C6A S/FTP Outdoor

Mechanical Properties

Bending radius	Installation	8 x OD
	Installed	4 x OD
Temperature range	During installation	-30°C to + 50°C

Technical Performance (100m)

Frequency (MHz)	RL >dB	ATT <dB	NEXT >dB	DELAY <ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT >dB
1	20,0		74,3	570,0	72,3	67,8	64,8
4,0	23,0	3,8	65,3	552,0	63,3	55,8	52,8
8,0	24,5	5,3	60,8	546,7	48,8	49,7	46,7
10,0	25,0	5,9	59,3	545,4	57,3	47,8	44,8
16,0	25,0	7,5	56,2	543,0	54,2	43,7	40,7
20,0	25,0	8,4	54,8	542,1	52,8	41,8	38,8
25,0	24,3	9,4	53,3	541,2	51,3	39,8	36,8
31,25	23,6	10,5	51,9	540,4	49,9	37,9	34,9
62,5	21,5	15,0	47,4	538,6	45,4	31,9	28,9
100	20,1	19,1	44,3	537,6	42,3	27,8	24,8
200	18,0	27,6	39,8	536,5	37,8	21,8	18,8
250	17,3	31,1	38,3	536,3	36,3	19,8	16,8
300	16,8	34,3	37,1	536,1	35,1	18,3	15,3
500	15,2	45,3	33,8	535,6	31,8	13,8	10,8