

PRODUCT SPECIFICATION

CONNECT

IT

EUROLAN Coppercable C6A F/FTP Cca



Ordering information

Part number	E-number	Description
19CCA-ZA-23WT-R500	4902255	Eurolan C6A 4 pair F/FTP 500MHz LSZH White Cca 500m/reel
19CCA-ZA-23WT-0	4902250	Eurolan C6A 4 pair F/FTP 500MHz LSZH White Cca Cut

Physical characteristics

Conductor	Material	SOLID Bare copper
	Nom. OD. (mm)	0,560 ± 0,005
Insulation	Material	Skin-foam-skin PE
	Diameter (mm)	1,29 ± 0,05
Inner screening material	Al/Mylar, with drain wire	
Outer screening material	Al/Mylar	
Sheath	Thickness (mm)	0,55 ± 0,05
	External O.D. (mm)	7,2± 0,5
	Surface	Clean, frap, satiation
	Material	FR-LSZH (complies RoHS) Polyolefin
	Color	white
Color chart	Pair 1 white/blue - blue	
	Pair 2 white/orange - orange	
	Pair 3 white/green - green	
	Pair 4 white/brown - brown	
Rip-cord	Yes	
AWG size	23	
Weight kg/km	53,3	



- **Application:**
Horizontal and building back-bone cable. Support current and future Category 6A such as:
10GBase-T (10 Gigabit Ethernet),
1000Base-T (Gigabit Ethernet),
100 Base-T, 10 Base-T, FDDI, ATM
Power over Ethernet (PoE):
4PPoE 100W
- **Standards:**
ISO/IEC 11801; ANSI/tia-568.2-D
- **Fire rating:**
Cca-s1a,d1,a1

PRODUCT SPECIFICATION

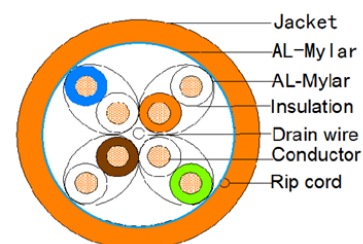
CONNECT

IT

EUROLAN Coppercable C6A F/FTP Cca

Sheath physical properties		
Before aging	Tensile Strength (Mpa)	≥ 9,0
	Elongation (%)	≥ 100
Aging period (°C x hrs)	100°C x 24h x 7d	
After aging	Tensile Strength (Mpa)	≥ 8,0
	Elongation (%)	≥ 70
Cold bend (-20 ± 2 °C x 4 hrs)	8 x cable outer Ø	No visible cracks
Min. permitted bending radius, moving application with forced guidance	4xOD	
Min. permitted bending radius, moving application/free movement	8XOD	
Min. permitted bending radius, stationary application/permanent installation	4xOD	
Permitted cable outer temperature during assembling/handling	-20°C - +60°C	
Permitted cable outer temperature after assembling without vibration	-40°C - +75°C	
Segregation class according to EN 50174-2	c	

Electrical characteristics (20°C)		
Impedance (Ω)	1-250MHz	100 ± 15Ω
	250-500MHz	100 ± 22Ω
Delay skew (ns/100m)	≤ 45	
Nominal velocity of propagation (NVP %)	74	
Unbalanced to ground capacitance (pf/km) max	1600	
DC resistance (Ω/km) max	9,38	
DC Conductor Resistance Unbalance (%) max	2,0	
Characteristic impedance (Ω)	100	
Max. tensile strength during installation (N)	110	
Nominal voltage U	80	



PRODUCT SPECIFICATION



EUROLAN Coppercable C6A F/FTP Cca

Technical Performance (100m)							
Frequency (MHz)	RL »dB	ATT «dB	NEXT »dB	PHASE DELAY «ns	PSNEXT »dB	ELFEXT »dB	PSELFEXT »dB
1	20,0	--	74,3	570,0	72,3	67,8	64,8
4	23,0	3,8	65,3	552,0	63,3	55,8	52,8
8	24,5	5,3	60,8	547,0	58,8	49,7	46,7
10	25,0	5,9	59,3	545,0	57,3	47,8	44,8
16	25,0	7,5	56,2	543,0	54,2	43,7	40,7
20	25,0	8,4	54,8	542,0	52,8	41,8	38,8
25	24,3	9,4	53,3	541,0	51,3	39,8	36,8
31,25	23,6	10,5	51,9	540,0	49,9	37,9	34,9
62,5	21,5	15,0	47,4	539,0	45,4	31,9	28,9
100	20,1	19,1	44,3	538,0	42,3	27,8	24,8
200	18,0	27,6	39,8	537,0	37,8	21,8	18,8
250	17,3	31,1	38,3	536,0	36,3	19,8	16,8
300	16,8	34,3	37,1	536,0	35,1	18,3	15,3
400	15,9	40,1	35,3	536,0	33,3	15,8	12,8
500	15,2	45,3	33,8	536,0	31,8	13,8	10,8