

PRODUCT SPECIFICATION

CONNECT

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EUROLAN Coppercable C7 S/FTP Cca



Ordering information

Part number	E-number	Description
19CCA-F7-23WT-R500	4902265	Eurolan C7 4 pair S/FTP 600MHz LSZH White Cca 500m/reel
19CCA-F7-23WT-0	4902260	Eurolan C7 4 pair S/FTP 600MHz 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)	1,330 ± 0,05
Inner screening material	Al/Mylar, no drain wire	
Outer screening material	Tinned copper with coverage > 30%	
Sheath	Thickness (mm)	0,55 ± 0,05
	External O.D. (mm)	7,6 ± 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	55,5	



- **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-s1,d1,a1

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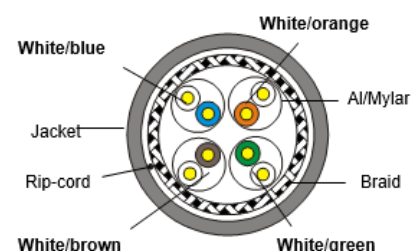
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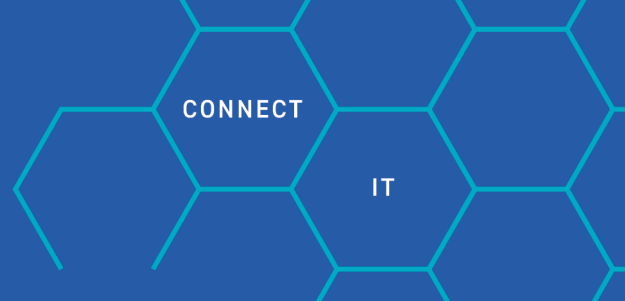
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Sheath physical properties		
Before aging	Tensile Strength (Mpa)	≥ 10,0
	Elongation (%)	≥ 125
Aging period (°C x hrs)	100°C x 24h x 7d	
After aging	Tensile Strength (Mpa)	≥ 8,0
	Elongation (%)	≥ 100
Cold bend (-20 ± 2 °C x 4 hrs)	8 x cable outer Ø	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)	1-100MHz	100 ± 15Ω
	100-250MHz	100 ± 18Ω
	250-600MHz	100 ± 25Ω
Delay skew (ns/100m)	≤ 25	
Nominal velocity of propagation (NVP %)	74	
Unbalanced to ground capacitance (pf/km) max	330	
DC resistance (Ω/km) max	9,38	
DC Conductor Restistance Unbalance (%) max	2,0	
Characteristic impedance (Ω)	100	
Max. tensile strength during installation (N)	110	
Nominal voltage U	80	



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Technical Performance (100m)							
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20,0	--	78,0	570,0	75,0	78,0	75,0
4	23,0	3,74	78,0	552,0	75,0	78,0	75,0
8	24,5	5,24	78,0	546,7	75,0	75,9	72,9
10	25,0	5,86	78,0	545,4	75,0	74,0	71,0
16	25,0	7,41	78,0	543,0	75,0	69,9	66,9
20	25,0	8,29	78,0	542,0	75,0	68,0	65,0
25	24,3	9,29	78,0	541,2	75,0	66,0	63,0
31,25	23,6	10,41	78,0	540,4	75,0	64,1	61,1
62,5	21,5	14,88	75,5	538,6	72,5	58,1	55,1
100	20,1	19,02	72,4	537,6	69,4	54,0	51,0
150	18,9	23,56	69,8	536,9	66,8	50,2	47,2
200	18,0	27,47	67,9	536,5	64,9	48,0	45,0
250	17,3	30,97	66,4	536,3	63,4	46,0	43,0
300	17,3	34,19	65,2	536,1	62,2	44,5	41,5
600	17,3	50,10	60,7	535,5	57,7	38,4	35,4