

EUROLAN Copper cable

C6 U/UTP Slimline



Ordering information

Part number	E-number	Description
19D-U6-25WT-B100	4903202	Eurolan C6 4 pair U/UTP LSZH Slimline DCA 100m/box
19D-U6-25WT-B305	4903203	Eurolan C6 4 pair U/UTP LSZH Slimline DCA 305m/box
19D-U6-25WT-T500	4903205	Eurolan C6 4 pair U/UTP LSZH Slimline Dca 500m/reel
19D-U6-25WT-T1000	4903206	Eurolan C6 4 pair U/UTP LSZH Slimline Dca 1000m/reel
19D-U6-25WT-T9000	4903209	Eurolan C6 4 pair U/UTP LSZH Slimline Dca 9000m/reel

Construction

Conductor	Bare copper wire Ø 0,54 mm (AWG24)
Insulation	Solid Polyethylene, Ø 0.96 mm nom
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core, non-metallic cross web of Polyolefin
Sheath	Ø 5,40 mm ± 0,3mm - LSZH
Burning load	450 kJ/m
Weight kg/km	32
Max pull tension	80 N

Mechanical Properties

Bending radius	Without load	23mm
	With load	46mm
Temperature range	During operation	-30°C to + 60°C
	During installation	0°C to + 50°C

DoP

Documentno	
Declared performance	Reaction to Fire: Dca-s2,d2,a1



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✓ Verified for high-speed applications up to 250 MHz (1Gbit Ethernet)

✓ **Application:**
Primary (campus), Secondary (riser), Tertiary (horizontal)
IEEE 802.3: 10/100/1000 BaseT
IEEE 802.5 16MB; ISDN; FDDI; ATM
Power over Ethernet (PoE) Type 1-4

✓ **Standards:**
ANSI/TIA 568.2-D
ISO/IEC 11801 ed.2.2:2002/A2:2010/C1:2011
ISO/IEC 61156-5 ED. 2.0
EN 50173-1 ED. 3:2011

✓ **Fire rating:**
Euro Class Dca s2 d2 a1
IEC 60332-1-2

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Electrical Properties (at 20°C +/- 5°C)

Max conductor DCR	95 Ω/km
Max DCR unbalanced between pairs	4%
Max DCR unbalanced within pairs	2%
Max capacitance unbalance	1,600 pF/m
Max Mutual capacitance	Nom. 56 nF/km
Nominal velocity propagation (NVP)	Approx. 70%
Max Delay skew	≤ 40 ns/100 m
Max recommended current	1,5 A
Voltage rating	72 V
Segregation class EN50174-2	a

Electrical Data (nominal) acc. to C6 (at 20°C)

F	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ELFEXT	PS- ELFEXT	Return loss
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB)
1	2,1	75,3	72,3	73,2	70,2	70	67	20
4	3,8	66,3	63,3	62,4	59,4	58	55	23
10	6	60,3	57,3	54,3	51,3	50	47	25
16	7,6	57,2	54,2	49,6	46,6	45,9	42,9	25
20	8,5	55,8	52,8	47,3	44,3	44	41	25
31,2	10,7	52,9	49,9	42,1	39,1	40,1	37,1	23,6
62,5	15,5	48,4	54,4	32,9	29,9	34,1	31,1	21,5
100	19,9	45,3	42,3	25,4	22,4	30	2	20,1
155	25,3	42,4	39,4	17,1	14,1	26,2	23,2	18,8
200	29,1	40,8	37,8	11,6	8,6	24	21	18
250	33	39,3	36,3	6,3	3,3	22	19	17,3