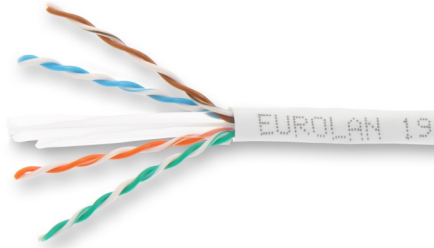


EUROLAN Copper cable

C6 U/UTP



Ordering information

Part number	E-number	Description
19B2-U6-R500WT		EuroLAN C6 4pair U/UTP LSZH White B2ca 500m/reel

Construction

Conductor	Bare copper wire Ø 0,55 mm (AWG23)
Insulation	HDPE , 0.98±0.05 mm
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core
Overall screen	None
Sheath	6.6±0.5 mm - FR-LSZH(complies RoHS)
Fire load	585 MJ/km; 0,163 kWh/m
Weight kg/km	31
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥9.0 Elongation (%) ≥100 Aging Period (C×hrs) 100C×24h×7d After Aging Tensile Strength (Mpa) ≥8.0 Elongation (%) ≥70 Cold bend (-20±2C×4h) 15times cable O.D. No visible cracks
Electrical Characteristics (20C)	Impedance(Ω) 1.0-250.0MHz 100±15 1.0-500.0MHz Delay Skew (ns/100m) ≤45 DC Resistance (Ω/100m) max 9.38 DC Conductor Resistance Unbalance (%) max 5.0
Reaction to fire Classification	B2ca,s1,d1

Mechanical Properties

Bending radius	Without load	≥ 4 x OD
	With load	≥ 8 x OD
Temperature range	During operation	-20°C to + 70°C
	During installation	0°C to + 50°C

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

✓ **Application:**
Primary (campus), Secondary (riser), Tertiary (horizontal)
IEEE 802.3: 10/100/1000/10000 BaseT
IEEE 802.5 16MB; ISDN; FDDI; ATM
Power over Ethernet (PoE)/ PoE+

✓ **Standards:**
EIA/TIA 568-C.2
ISO/IEC 11801 2nd ed;

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Electrical Data (nominal) acc. to C6 (at 20°C)						
F (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1,0	2,03	74,3	72,3	67,8	64,8	20,0
4,0	3,78	65,3	63,3	55,8	52,8	23,0
10,0	5,95	59,3	57,3	47,8	44,8	25,0
16,0	7,55	56,2	54,2	43,7	40,7	25,0
20,0	8,47	54,8	52,8	41,8	38,8	25,0
31,2	10,67	51,9	49,9	37,9	34,9	23,6
62,5	15,38	47,7	45,4	31,9	28,9	21,5
100,0	19,8	44,3	42,3	27,8	24,8	20,1
200,0	28,98	39,8	37,8	21,8	18,8	18,0
250,0	32,85	38,3	36,3	19,8	16,8	17,3