

# EUROLAN Copper cable

## C6 F/UTP

### Ordering information

Part number	E-number	Description
19C-F6-22WT-B305		Eurolan C6 4 pair F/UTP w. filler LSZH 305m/box
19C-F6-23WT-R500		Eurolan C6 4 pair F/UTP w. filler LSZH 500m/reel

### Construction

Conductor	Bare copper wire Ø 0,57 mm
Insulation	Polyethylene,
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core, non-metallic cross separator (spline), Overall foil.
Sheath	Ø 7,4 mm - LSZH
Weight kg/km	54

### Mechanical Properties

Bending radius	Without load	≥ 4 x OD
	With load	≥ 8 x OD
Temperature range	During operation	-40°C to + 60°C
	During installation	0°C to + 50°C

- √ With filler
- √ Verified for high-speed applications up to 250 MHz (1Gbit Ethernet)
- √ **Standards:**  
EN 50173-1 Class E  
ISO/IEC 11801 2nd ed;  
IEC 61156-5

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

F	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
(MHz)	(dB)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)
1,0	20,0	1,9	74,0	72,3	68,0	65,0
4,0	23,0	3,7	65,0	63,3	56,0	53,0
10,0	25,0	5,9	59,0	57,3	48,0	45,0
16,0	25,0	7,5	56,0	54,2	43,9	40,9
20,0	25,0	8,4	55,0	52,8	42,0	39,0
31,2	23,6	10,6	52,0	49,9	38,1	35,1
62,5	21,5	15,4	47,0	45,4	32,1	29,1
100,0	20,1	19,8	44,0	42,3	28,0	25,0
200,0	18,0	29,0	40,0	37,8	22,0	19,0
250,0	17,3	32,8	38,0	36,3	20,0	17,0