

# EUROLAN Copper cable

## C6 F/UTP



### Ordering information

| Part number      | E-number | Description  |
|------------------|----------|--|
| 19D-F6-22WT-B305 |          | EuroLAN C6 4 pair F/UTP w. filler Dca LSZH 305m/box  |
| 19D-F6-23WT-R500 |          | EuroLAN C6 4 pair F/UTP w. filler Dca 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
- √ **Fire rating:**  
EN 50575:2014 including amendment A1:2016  
EN 60332-1-2:2004 incl. Am A1:2015 and A11-2016  
EN 50399:2011 incl. Am A1:2016  
EN 60754-2:2014  
EN 13501-6:2014  
Class Dca-S2,d2,a1

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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      |