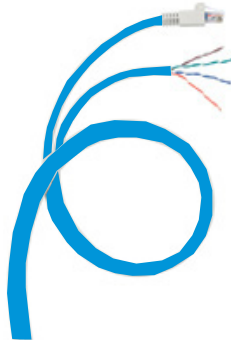


Cat. 6 LSOH cords

Catalogue numbers: 0 517 57/58/59/96/97/98



1. USE

Cords for VDI transmission networks.
 RJ45 plug/wire (single-core cable).
 Blue RAL 5015.



2. RANGE

| Cat. Nos. | Length (m) | Type | Type of sleeve |
|-----------|------------|-------|----------------|
| 0 517 57 | 8 | U/UTP | LSOH |
| 0 517 58 | 15 | | |
| 0 517 59 | 20 | | |
| 0 517 96 | 8 | F/UTP | |
| 0 517 97 | 15 | | |
| 0 517 98 | 20 | | |

3. CORD MARKINGS

- LEGRAND
- Catalogue number
- Gauge
- Type
- Impedance
- Type of sleeve
- Category

4. PERFORMANCE AT 250 MHZ

Performance of cords in system (on site tester)

Maximum recommended lengths to ensure optimum performance of the system, using RJ45 sockets:

| | Length associated with the cord lengths (m) | | Links |
|--------|---|--------|-------|
| | Cords | Cables | |
| Cat. 6 | 7.5 | 70 | 78 |
| | 15 | 60 | 75 |
| | 20 | 55 | 75 |

| System performance at 250 MHz (standard EIA/TIA 568-C-2) | |
|--|------|
| Attenuation (dB) | 31.1 |
| Minimum NEXT (dB) | 35.3 |
| PS NEXT (dB) | 32.7 |
| ACR-F (dB) | 16.2 |
| PS ACR-F (dB) | 13.2 |
| Return Loss (dB) | 10 |

5. TECHNICAL AND MECHANICAL FEATURES

| Type | U/UTP | F/UTP |
|--------------------------------------|--------|--------|
| Type of sleeve | LSOH | |
| Number of pairs | 4 | |
| Assembly | Pairs | |
| Diameter over insulation (mm) | 0.99 | 1 |
| Cable diameter (mm) | 6.2 | 6 |
| AWG gauge | 24 | 24 |
| Min. bending radius when laying (mm) | 24 | 24 |
| Tensile strength of the cord | ≥ 50 N | ≥ 50 N |
| Number of twists | 500 | 500 |
| Number of insertions | 750 | 750 |

6. ELECTRICAL FEATURES AT 20°C

| | |
|--|-----------------|
| Loop resistance | < 5 Ω |
| Contact resistance | < 20 m Ω |
| Total resistance of the cord | < 5 Ω |
| Resistance per 100 m of cable with cords | < 9.38 Ω |
| DC dielectric strength | 1 KV/1 min |
| Characteristic impedance from 1 to 250 MHz | 100 Ω |

7. ENVIRONMENTAL FEATURES

Storage and transport temperature: 0 to + 50°C

Usage temperature: – 20 to + 60°C

Fire resistance: IEC 60332-1, UL VW-1

8. STANDARDS AND APPROVALS

ANSI EIA/TIA 568-C.2

EN 50173

ISO/IEC 60603-7

ISO/IEC 11801