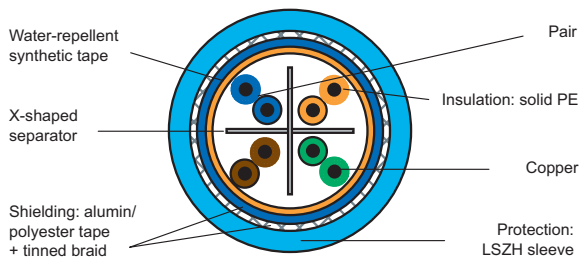


1. USE

Cable for high-speed VDI transmission networks

802.3 bt PoE++ applications compatible according to installation standards ISO/IEC 14763-2 (final draft) and EN 50174-2 : 2018

2. DESCRIPTION



Note : The conductive part of the shielding is located on the wire side

3. MARKING AND PACKAGING

Marking of Legrand cables

- LEGRAND
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Conformity to standards
- EUROCLASS
- Velocity of propagation
- Traceability
- Measurement (remaining length in metres).

Complementary marking (on label)

- Designation
- Made in....

4. PERFORMANCE AT 250 MHZ (STAND. ANSI/TIA 568.2-D)

| | |
|--------------------------------|----------|
| Reference | 0 327 57 |
| Maximum attenuation (dB/100 m) | 32,8 |
| Minimum NEXT (dB) | 38,3 |
| PS NEXT (dB) | 36,3 |
| ACRF (dB / 100 m) | 19,8 |
| PS ACRF (dB / 100 m) | 16,8 |
| Return Loss (dB) | 17,3 |

5. TECHNICAL AND MECHANICAL FEATURES

| | |
|--|---------|
| Catalogue number | 0327 57 |
| Type | SF/UTP |
| Type of sleeve | LSZH |
| Number of pairs | 4 |
| Assembly | Pairs |
| Diameter over insulation (mm) | 1,1±0.1 |
| Average nominal diameter of the cable (mm) | 8,1±0.3 |
| Weight of cable (kg/km) | 65 |
| Min. bending radius when laying (mm) | 65 |
| AWG gauge* | 23 |

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

| | |
|---|----------------|
| Catalogue number | 0 327 57 |
| Type | SF/UTP |
| Maximum linear resistance (ohm/km) | 93.8* |
| DC dielectric strength | 1 KV / 1 min * |
| Minimum insulation resistance (Mohm.km) | 5000 |
| Minimum propagation speed | > 66% |
| Characteristic impedance at 100 MHz | 100 ±5Ω |

* According to standard IEC 61156-5

7. ORDERING INFORMATION

| | |
|------------------|---------------|
| Catalogue number | 0 327 57 |
| Type | SF/UTP |
| Colour | Blue RAL 5015 |
| Pack (m) | 500 |
| Packaging | Reel |

8. ENVIRONMENTAL FEATURES

Transport and storage temperature: 0 à + 50 °C

Storage temperature before use: 10°C during 24h (if stock ≤ 5°C)

Usage temperature: - 20 à + 60 °C

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz

Electrical performances and characteristics :

- ANSI/TIA 568.2-D
- EN 50173-1
- EN 50288-5-1
- ISO/IEC 11801 (ed. 2.2)
- IEC 61156-5

IEEE 802.3bt : PoE++