

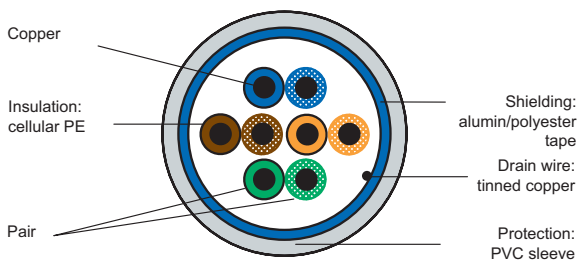


1. USE

Cable for high-speed VDI transmission networks

802.3 bt PoE++ up to type 4 applications compatible according to installation standards ISO/IEC 14763-2 : 2019 and EN 50174-2 : 2018

2. DESCRIPTION



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

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....

3. PERFORMANCE AT 100 MHZ (STAND. ANSI/TIA 568.2-D)

| | |
|--------------------------------|----------|
| Catalogue number | 0 327 53 |
| Maximum attenuation (dB/100 m) | 22 |
| Minimum NEXT (dB) | 35,3 |
| PS NEXT (dB) | 32,3 |
| ACRF (dB / 100 m) | 24 |
| PS ACRF (dB / 100 m) | 21 |
| Return Loss (dB) | 20,1 |

4. TECHNICAL AND MECHANICAL FEATURES

| | |
|--|----------|
| Catalogue number | 0 327 53 |
| Type | F/UTP |
| Type of sleeve | PVC |
| Number of pairs | 4 |
| Assembly | Pairs |
| Diameter over insulation (mm) | 1±0.05 |
| Average nominal diameter of the cable (mm) | 6 ± 0,03 |
| Weight of cable (kg/km) | 35 to 39 |
| Min. bending radius when laying (mm) | 49 |
| AWG gauge* | 24 |

* According to UL 444 ed.3 table 4

5. ELECTRICAL FEATURES AT 20°C

| | |
|---|-------------------------------|
| Catalogue number | 0 327 53 |
| Type | F/UTP |
| Maximum linear resistance (ohm/km) | 95 * |
| DC dielectric strength | 1 KV / 1 min * |
| Minimum insulation resistance (Mohm.km) | 5000 |
| Minimum propagation speed | >65 % |
| Characteristic impedance at 100 MHz | 100 Ω \pm 5 Ω |

* According to standard IEC 61156-5

6. ORDERING INFORMATION

| | |
|------------------|---------------|
| Catalogue number | 0 327 53 |
| Type | F/UTP |
| Colour | Grey RAL 7035 |
| Pack (m) | 305 |
| Packaging | Box |

7. ENVIRONMENTAL FEATURES

Transport and storage temperature: -20 at + 60 °C
 Storage temperature before installation: 10°C during 24h (if stock \leq 5°C)
 Usage temperature: - 20 to + 60 °C

Fire rating : IEC 60332-1-2, EN 60332-1-2

EUROCLASS EN 13501-6 = Class Eca

8. STANDARDS AND APPROVALS

Cat 5e, 100 MHz
 Electrical performances and characteristics :
 - ANSI/TIA 568.2-D
 - EN 50173-1
 - EN 50288-2-1
 - ISO/IEC 11801 (ed. 2.2)
 - IEC 61156-5
 IEEE 802.3bt : PoE++