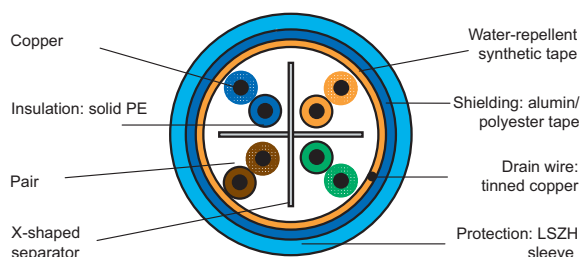


## 1. USE

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 56 - 0 328 56 |
| 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 56 - 0 328 56 |
| Type                                       | F/UTP              |
| Type of sleeve                             | LSZH               |
| Number of pairs                            | 4                  |
| Assembly                                   | Pairs              |
| Diameter over insulation (mm)              | 1,15 ± 0,02        |
| Average nominal diameter of the cable (mm) | 7,2 ± 0,3          |
| Weight of cable (kg/km)                    | 47                 |
| Min. bending radius when laying (mm)       | 60                 |
| AWG gauge*                                 | 23                 |

\* According to UL 444 ed.3 table 4

**6. ELECTRICAL FEATURES AT 20°C**

|                                         |                     |
|-----------------------------------------|---------------------|
| Catalogue number                        | 0 327 56 - 0 328 56 |
| 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               | 66 %                |
| Characteristic impedance at 100 MHz     | 100 ±5Ω             |

\* According to standard IEC 61156-5

**7. ORDERING INFORMATION**

|                  |               |         |
|------------------|---------------|---------|
| Catalogue number | 0 327 56      | 0328 56 |
| Type             | F/UTP         |         |
| Colour           | Blue RAL 5015 |         |
| Pack (m)         | 500           | 305     |
| Packaging        | Reel          | Box     |

**8. ENVIRONMENTAL FEATURES**

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

Fire rating:EN 50399, IEC 60332-1-2, EN 60332-1-2

Smoke density : IEC 61034-2, EN 61034-2  
Toxicity of fire effluent : IEC 60754-2, EN 60754-2

EUROCLASS EN 13501-6 = Class Dca s2d2a1  
Also compliant with Eca

**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++