

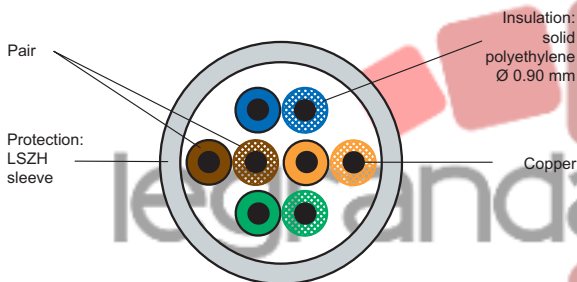


### 1. USE

Cable for high-speed VDI transmission networks

PoE and PoE+ applications compatible

### 2. DESCRIPTION



### 3. MARKING AND PACKAGING

Marking of Legrand cables

- LEGRAND
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Conformity to standards
- Batch number
- Measurement (remaining length in metres).
- EUROCLASS Dca - s2, d2, a1
- Velocity of propagation

### 4. PERFORMANCE AT 100 MHZ (STAND. ANSI/TIA 568-C.2)

|                                |                                |
|--------------------------------|--------------------------------|
| Reference                      | 0 327 50 - 0 328 53 - 0 328 73 |
| Maximum attenuation (dB/100 m) | 22                             |
| Minimum NEXT (dB)              | 35,3                           |
| PS NEXT (dB)                   | 32,3                           |
| ACRF (dB / 100 m)              | 23,8                           |
| PS ACRF (dB / 100 m)           | 20,8                           |
| Return Loss (dB)               | 20,1                           |

### 5. TECHNICAL AND MECHANICAL FEATURES

|                                      |                                |
|--------------------------------------|--------------------------------|
| Catalogue number                     | 0 327 50 - 0 328 53 - 0 328 73 |
| Type                                 | U/UTP                          |
| Type of sleeve                       | LSOH                           |
| Number of pairs                      | 4                              |
| Assembly                             | Pairs                          |
| Diameter over insulation (mm)        | 0,9                            |
| Cable diameter (mm)                  | 5 ± 0,1                        |
| Weight of cable (kg/km)              | 36                             |
| Min. bending radius when laying (mm) | 20                             |
| AWG gauge*                           | 24                             |

\* According to UL 444 ed.3 table 4

**6. ELECTRICAL FEATURES AT 20°C**

|   |                                |
|---|--------------------------------|
| Catalogue number                        | 0 327 50 - 0 328 53 - 0 328 73 |
| Type                                    | U/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 50      | 0 328 53 | 0 328 73 |
| Type             | U/UTP         |          |          |
| Colour           | Grey RAL 7035 |          |          |
| Pack (m)         | 305           | 500      | 1000     |
| Packaging        | Box           | Reel     | Reel     |

**8. ENVIRONMENTAL FEATURES**

Transport temperature: 0 at + 50 °C  
 Storage temperature before use: 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 5e, 100 MHz  
 ANSI/TIA 568-C.2  
 EN 50173-1  
 EN 50288-3-1  
 ISO/IEC 11801 (ed. 2.2)  
 IEC 61156-5  
 IEEE 802.3at : PoE+