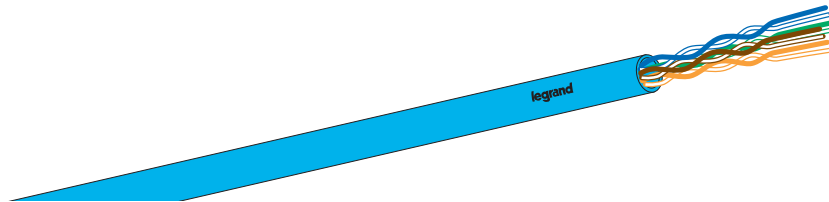


Cat.6 U/UTP B2ca LSZH cable for local networks AWG23

Catalogue number(s) : 0 328 79

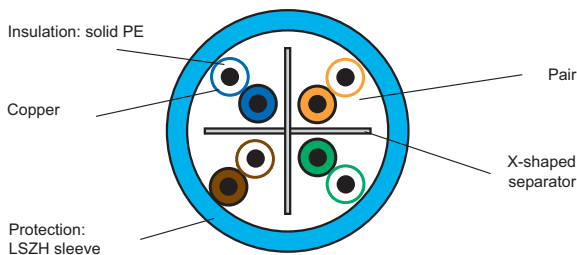


1. USE

Cable for data 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



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 (spotting every meter).

Complementary marking (on label)

- Designation
- Made in....

4. PERFORMANCE AT 250 MHZ (STAND. IEC 61156-5)

| | |
|--------------------------------|----------|
| Reference | 0 328 79 |
| Maximum attenuation (dB/100 m) | 33 |
| Minimum NEXT (dB) | 38 |
| PS NEXT (dB) | 36 |
| ACRF (dB / 100 m) | 20 |
| PS ACRF (dB / 100 m) | 17 |
| Return Loss (dB) | 17,3 |

5. TECHNICAL AND MECHANICAL FEATURES

| | |
|--------------------------------------|----------|
| Catalogue number | 0 328 79 |
| Type | U/UTP |
| Type of sleeve | LSZH |
| Number of pairs | 4 |
| Assembly | Pairs |
| Diameter over insulation (mm) | 1±0.1 |
| Cable diameter (mm) | 5,75±0,4 |
| Weight of cable (kg/km) | 44 |
| Min. bending radius when laying (mm) | 48 |
| AWG gauge* | 23 |

* According to standard IEC 61156-5 method.

6. ELECTRICAL FEATURES AT 20°C

| | |
|---|----------------|
| Catalogue number | 0 328 79 |
| Type | U/UTP |
| Maximum linear resistance (ohm/km) | 76.1* |
| 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 | 0 328 79 |
| Type | U/UTP |
| Colour | Blue RAL 5015 |
| Pack (m) | 500 |
| Packaging | Reel |

8. ENVIRONMENTAL FEATURES

Transport and storage 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 B2ca - s1a, d1, a1
 Also compliant with Eca, Dca and Cca

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz
 Electrical performances and characteristics :
 ISO/IEC 11801 series : International standard for generic cabling for customer premises
 EN 50173 series : European standard for generic cabling for customer premises
 IEC 61156 : International standard for twisted pair cable specifications
 IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : "Power over Ethernet", Types 1 to 4, up to 90W.