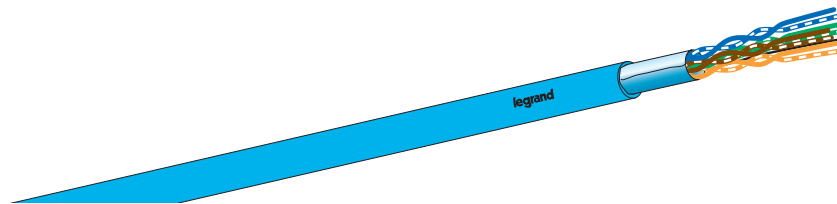


2x4 pairs Cat.6 F/UTP LSZH cable for local networks

Catalogue number(s) : 0 328 43

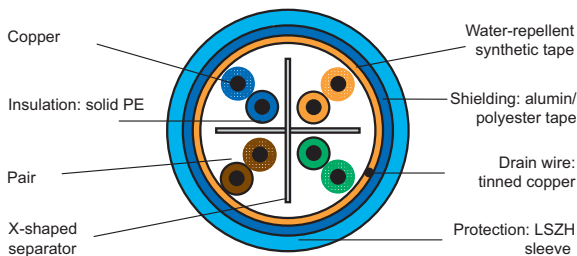


1. USE

Cable for high-speed data networks transmission

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

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. IEC 61156-5)

Catalogue number	0 328 43
Maximum attenuation (dB/100 m)	33
Minimum NEXT (dB)	38,3
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 43
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	2x4
Assembly	Pairs
Diameter over insulation (mm)	1,08 ± 0,03
Average nominal diameter of the cable (mm)	6.9 ± 0,15 x 16.35 ± 0,3
Weight of cable (kg/km)	89.5
Min. bending radius when laying (mm)	60
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 328 43
Type	F/UTP
Maximum linear resistance (ohm/km)	92
DC dielectric strength	1 KV / 1 min
Minimum insulation resistance (Mohm.km)	5000
Medium propagation speed	66 %
Characteristic impedance at 100 MHz	100 ±5Ω

7. ORDERING INFORMATION

Catalogue number	0 328 43
Type	F/UTP
Colour	Blue RAL 5015
Pack (m)	500
Packaging	Reel

8. ENVIRONMENTAL FEATURES

Transport and storage temperature: 0 at + 50 °C
Storage temperature before installation: 10°C during 24h (if stock ≤ 5°C)
Usage temperature: - 20 to + 60 °C

LSZH cable sheath compliant with :
Smoke density: Series IEC 61034 including IEC 61034-2, EN 61034-2
Toxicity of fire effluent: Series IEC 60754 including IEC 60754-2, EN 60754-2
Fire resistance: Series IEC 60332-1 including IEC 60332-1-2

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

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz
Electrical performances and characteristics :
ISO/IEC 11801 series : International standard for generic cabling for customer premises
ANSI/TIA 568 series : North American 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.