

1. USE

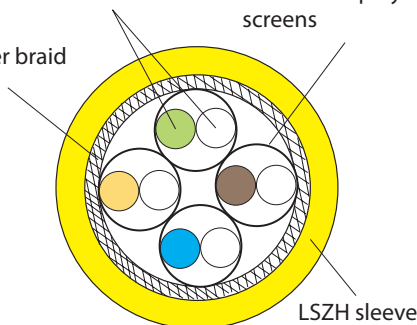
Cables with 4 twisted pairs, 100 ohms for high-speed data networks. 802.3 bt PoE++ up to type 4 applications compatible according to installation standards ISO/IEC 14763-2 : 2019 and EN 50174-2 : 2018

2. DESCRIPTION

8 x conductors with PE insulation

4 pairs with individual aluminium/polyester tape screens

Copper braid



LSZH sleeve

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 1000 MHZ (STAND. ISO/IEC 11801)

Maximum attenuation (dB/100 m):	52,1
Minimum NEXT (dB):	83
PS NEXT (dB) :	80
ACRF (dB / 100 m) :	40
PS ACRF (dB / 100 m) :	28
Return Loss (dB) :	20

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 328 77
Type	S/FTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1,4±0.1
Cable diameter (mm)	8,3 ± 0,3
Weight of cable (kg/km)	64
Min. bending radius when laying (mm)	63
AWG gauge*	22

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 328 77
Type	S/FTP
Maximum linear resistance (ohm/km)	64
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	79 %
Characteristic impedance at 100 MHz	100 ±5Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 328 77
Type	S/FTP
Colour	Yellow RAL 1018
Pack (m)	1000
Packaging	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

Segregation classification "d" according to ISO/IEC 14763-2 :
EUROCLASS EN 13501-6 = Class B2ca s1a, d1, a1
Also compliant with Cca, Dca and Eca

9. STANDARDS AND APPROVALS

Cat 7A, 1000 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