

4 pairs and 2x4 pairs Cat.6A U/FTP cable for local networks

Catalogue number(s) : 0 328 44/45



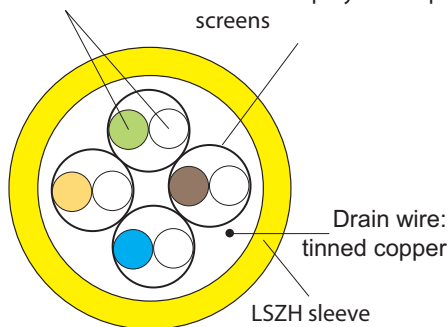
1. USE

Cat. 6A cables with 4 or 2x4 twisted pairs, 100 ohms very high speed, for horizontal floor or backbone distribution. This cables enable the use of protocols supported by Class EA for 10G Base-T applications. It is characterised up to 500 MHz

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 23 AWG conductors with PE insulation Pe
 4 pairs with individual aluminium/polyester tape screens



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 (length in meters).

Complementary marking (on label)

- Designation
- Made in....

4. PERFORMANCE AT 500 MHZ (STAND. ISO/IEC 11801)

Catalogue number	0 328 44/45
Maximum attenuation (dB/100 m)	45,3
Minimum NEXT (dB)	34,8
PS NEXT (dB)	31,8
ACRF (dB / 100 m)	14
PS ACRF (dB / 100 m)	11
Return Loss (dB)	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 328 44	0 328 45
Type	U/FTP	U/FTP
Type of sleeve	LSZH	LSZH
Number of pairs	4	2x4
Assembly	Pairs	Pairs
Diameter over insulation (mm)	1,25±0.07	1,25±0.07
Average nominal diameter of the cable (mm)	7,7±0.6	6,7±0.25 X 15,7±0.4
Weight of cable (kg/km)	49	98
Min. bending radius when laying (mm)	62	62
AWG gauge*	23	23

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 328 44/45
Type	U/FTP
Medium linear resistance (ohm/km)	81
DC dielectric strength	1 KV / 1 min
Insulation resistance (Mohm.km)	5000
Medium propagation speed	79 %
Characteristic impedance at 100 MHz	100 ±5Ω

7. ORDERING INFORMATION

Catalogue number	0 328 44/55
Type	U/FTP
Colour	Yellow RAL 1018
Pack (m)	500
Packaging	Reel

8. ENVIRONMENTAL FEATURES

Transport and storage temperature: 0 to + 50 °C
Storage temperature before use: 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 s2ad2a1

Also compliant with Eca

9. STANDARDS AND APPROVALS

Cat 6A, 500 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.