

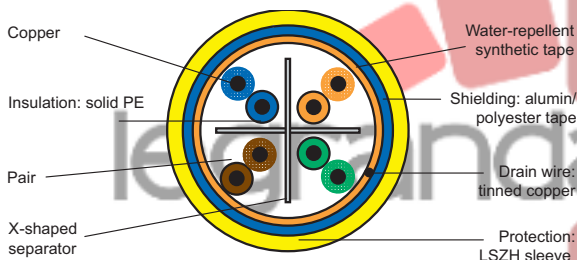


**1. USE**

Cat. 6A cables with 4 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

PoE and PoE+ applications compatible

**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
- Batch number
- Measurement (remaining length in metres).
- EUROCLASS Dca - s2, d2, a1
- Velocity of propagation
- ANATEL reference (only for 0 328 87)

**4. PERFORMANCE AT 500 MHZ (STAND. ANSI/TIA 568-C.2)**

Maximum attenuation (dB/100 m):	45,3
Minimum NEXT (dB):	33,8
PS NEXT (dB) :	31,8
ACRF (dB / 100 m) :	13,8
PS ACRF (dB / 100 m) :	10,8
Return Loss (dB) :	15,2

**5. TECHNICAL AND MECHANICAL FEATURES**

Catalogue number	0 327 78 - 0 328 87
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1,16±0.05
Cable diameter (mm)	7,3±0.3
Weight of cable (kg/km)	51
Min. bending radius when laying (mm)	60
AWG gauge*	23

\* According to UL 444 ed.3 table 4

**6. ELECTRICAL FEATURES AT 20°C**

Catalogue number	0 327 78 - 0 328 87
Type	F/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 78 - 0 328 87
Type	F/UTP
Colour	Yellow RAL 1018
Pack (m)	500
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

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

**9. STANDARDS AND APPROVALS**

Cat 6A, 500 MHz  
ANSI/TIA 568-C.2  
EN 50173-1  
EN 50288-10-1  
ISO/IEC 11801 (ed. 2.2)  
IEC 61156-5  
IEEE 802.3at : PoE+

