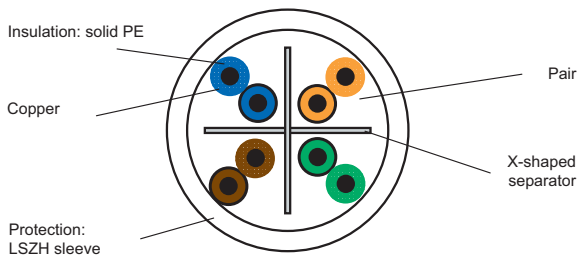


1. USE

Cat. 6 cables with 4 twisted pairs, 100 ohms very high speed, for horizontal floor or backbone distribution. These cables enable the use of protocols supported by Class E up to 1000 Base-T applications. It is characterised up to 250 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



3. MARKING AND PACKAGING

Marking of Legrand cables

- LEGRAND
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Frequency
- Conformity to standards
- EUROCLASS
- Velocity of propagation
- Traceability
- Measurement (remaining length in metres).
- Made in.....

4. PERMANENT LINK PERFORMANCE AT 250 MHZ (STAND. ISO/IEC 11801)

Reference	6 327 25
Maximum attenuation (dB)	31,1
Minimum NEXT (dB)	35,3
PS NEXT (dB)	32,7
ACRF (dB)	16,2
PS ACRF (dB)	13,2
Return Loss (dB)	10

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	6 327 25
Type	U/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,85 ± 0,05
Cable diameter (mm)	5,5 ± 0,3
Weight of cable (kg/km)	32
Min. bending radius when laying (mm)	23
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	6 327 25
Type	U/UTP
Maximum linear resistance (ohm/km)	≤145*
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	66 %
Characteristic impedance at 100 MHz	100Ω ±15%

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	6 327 25
Type	U/UTP
Colour	White RAL 9010
Pack (m)	305
Packaging	Box

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 : 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 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

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