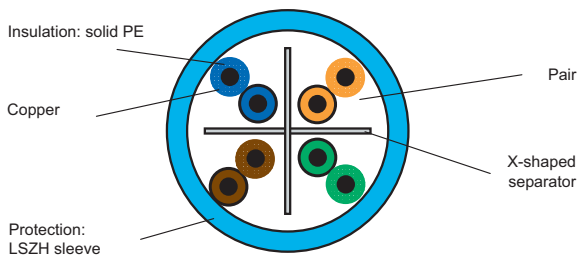


1. USE

Cable for high-speed transmission 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



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. ANSI/TIA 568.2-D)

Reference	0 328 20/20T/21/21T/22/22T/23/61/61T/71
Maximum attenuation (dB/100 m)	32,8
Minimum NEXT (dB)	38,3
PS NEXT (dB)	36,3
ACRF (dB / 100 m)	19,8
PS ACRF (dB / 100 m)	16,8
Return Loss (dB)	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 328 20/20T/21/21T/22/22T/23/61/61T/71
Type	U/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,96 ± 0,08
Average nominal diameter of the cable (mm)	5,9 ± 0,4
Weight of cable (kg/km)	39
Min. bending radius when laying (mm)	48
AWG gauge*	23

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 328 20/20T/21/21T/22/22T/23/61/ 61T/71
Type	U/UTP
Maximum linear resistance (ohm/km)	84*
DC dielectric strength	1 KV / 1 min *
Minimum insulation resis- tance (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	0 328 20/20T	0 328 21/21T	0 328 22/22T	0 328 23	0328 61/61T	0328 71
Type	U/UTP					
Colour	Red RAL 3020	Yellow RAL 1018	Green RAL 6026	Grey RAL 7035	Blue RAL 5015	
Pack (m)	500	500	500	500	500	1000
Packaging	Reel					

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 : 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 = 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