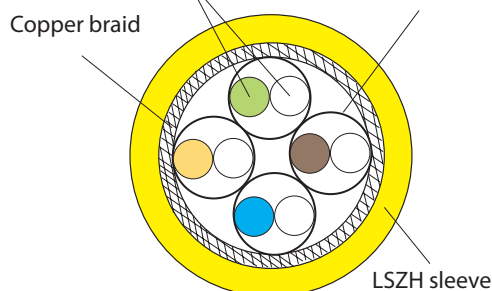


1. USE

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



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

The Cable has a positive PS ACR-F, representing the bandwidth, up to 1200Mhz

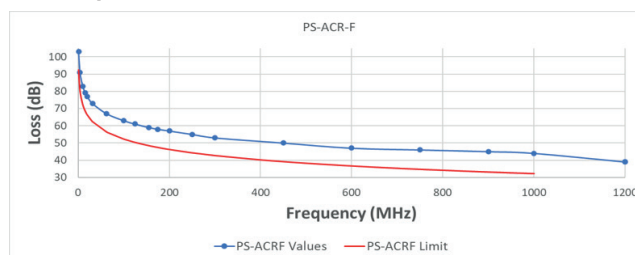
■ 4.1 Performance at 1000MHz according to ISO/IEC 11801

Maximum attenuation (dB/100 m):.....61,9
Minimum NEXT (dB):.....60,4
Minimum PS-NEXT (dB) :57,4
Minimum ACR-F (dB / 100 m) :.....35,3
Minimum PS ACR-F (dB / 100 m) :32,4
Minimum Return Loss (dB) :.....15,1

■ 4.2 Performance of the cable at 1200MHz

Maximum attenuation (dB/100 m):.....63.4
Minimum NEXT (dB):.....81.0
Minimum PS-NEXT (dB) :78.0
Minimum ACR-F (dB / 100 m) :52.0
Minimum PS ACR-F (dB / 100 m) :39.0
Minimum Return Loss (dB) :17.0

■ 4.3 Graph of PS ACR-F of the cable vs ISO/IEC 11801



5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 328 54
Type	S/FTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1,38±0.1
Cable diameter (mm)	7,5 ± 0,8
Weight of cable (kg/km)	65,5
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	0 328 54
Type	S/FTP
Maximum linear resistance (ohm/km)	67
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	76 %
Characteristic impedance at 100 MHz	100 ±5Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 328 54
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 Cca s1a, d1, a1

Also compliant with 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