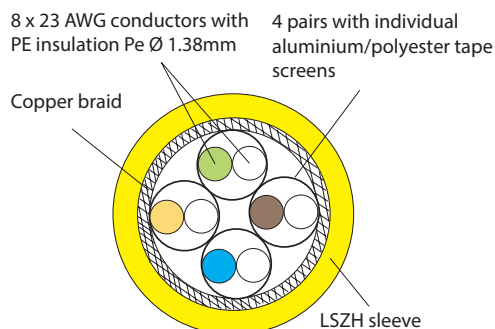


1. USE

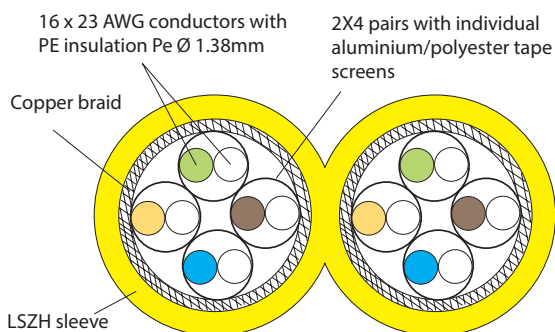
Cables with 4 twisted pairs, 100 ohms for high-speed data networks.
802.3 bt PoE++ up to type 4 applications compatible according to
installation standards ISO/IEC 14763-2 : 2019 and EN 50174-2 : 2018

2. DESCRIPTION

0 327 77



0 327 79



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 (length in meters).
- EUROCLASS Dca - s2, d2, a1
- Velocity of propagation

4. PERFORMANCE AT 600 MHZ

Maximum attenuation (dB/100 m):	50,1
Minimum NEXT (dB):	60,7
PS NEXT (dB) :	57,7
ACRF (dB / 100 m) :	39,7
PS ACRF (dB / 100 m) :	36,7
Return Loss (dB) :	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 327 77	0 327 79
Type	S/FTP	S/FTP
Type of sleeve	LSZH	LSZH
Number of pairs	4	2X4
Assembly	Pairs	Pairs
Diameter over insulation (mm)	1,38±0.07	1,38±0.07
Cable diameter (mm)	7,7 ± 0,3	15,4X7,7 ± 0,3
Weight of cable (kg/km)	55 to 61	110 to 122
Min. bending radius when laying (mm)	65	65
AWG gauge*	23	23

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 327 77/79
Type	S/FTP
Maximum linear resistance (ohm/km)	95 *
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	>79 %
Characteristic impedance at 100 MHz	100 ±5Ω
Coupling attenuation	• 30 to 100MHz: ≥ 80dB • 100 to 1000 MHz: ≥ 80 – 20 × log10 (f/100)
Segregation Class	" d "

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 327 77/79
Type	S/FTP
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 = Class Dca s2d2a1

Also compliant with Eca

9. STANDARDS AND APPROVALS

Cat 7, 600 MHz

EN 50173-1

EN 50288-4-1

ISO/IEC 11801 (ed. 2.2)

IEC 61156-5

IEEE 802.3bt : PoE++