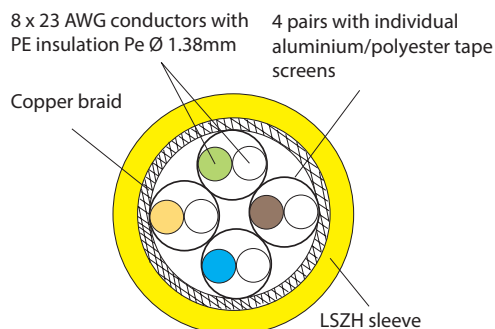


1. USE

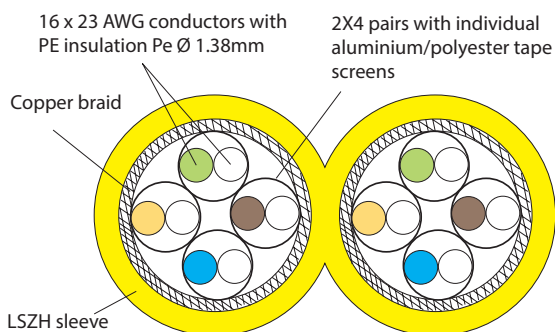
Cables with 4 twisted pairs, 100 ohms for high-speed data networks.
802.3 bt PoE++ applications compatible according to installation
standards ISO/IEC 14763-2 (final draft) and EN 50174-2 : 2018

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 (remaining length in metres).
- 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

* 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++