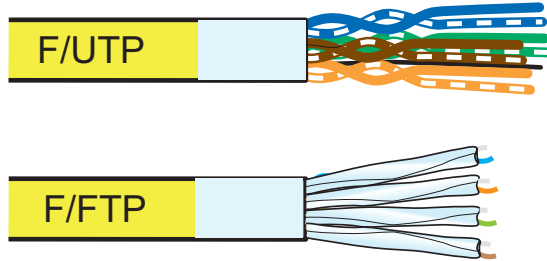


Cat. 6A LSOH cable for LCS²

Catalogue numbers: 0 327 78/98/99 - 0 328 78



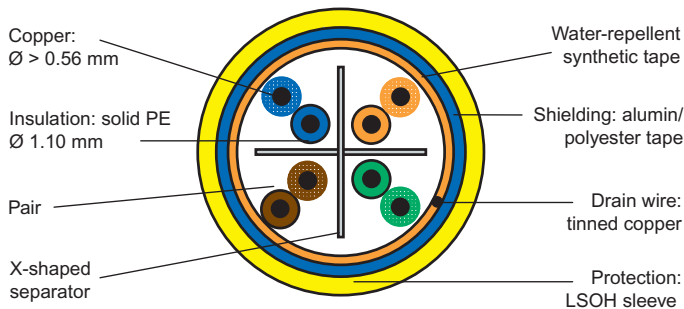
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1. USE

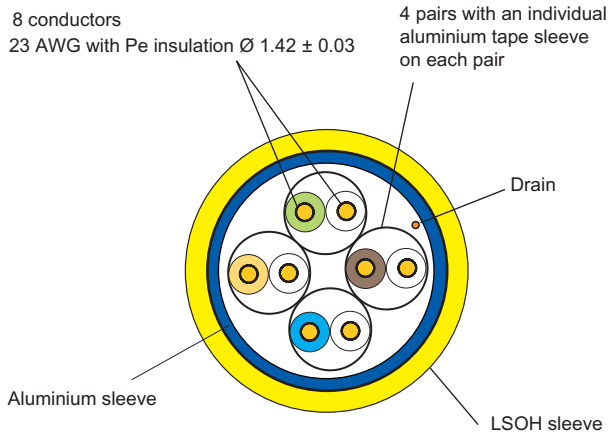
Cat. 6A cables with 4 pairs and 2 x 4 twisted pairs, 100 ohms very high speed, for horizontal floor or backbone distribution. These cables enable the use of protocols supported by Class EA for 10G Base-T applications. They are characterised up to 500 MHz.

2. DESCRIPTION

F/UTP 100 Ω (4 pair cable)



F/FTP 100 Ω



Note:
The conductive part of the shielding is located on the wire side

3. MARKING OF LEGRAND CABLES

- Legrand
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Conformity to standards
- VPN/NVP
- Batch number
- Measurement (remaining length)

4. PERFORMANCE AT 500 MHZ (standard ANSI/TIA 568-C.2)

Maximum attenuation (dB/100 m):	45.3
NEXT minimum (dB):	33.8
PS NEXT (dB):	31.8
ACRF (dB/100 m):	13.8
PS ACRF (dB/100 m):	10.8
Return Loss (dB):	15.2

5. TECHNICAL AND MECHANICAL FEATURES

Cat. No.	0 327 78	0 328 78	0 327 99	0 327 98
Type	F/UTP	F/UTP	F/FTP	F/FTP
Type of sleeve	LSOH			
Number of pairs	4	2 x 4	4	2 x 4
Assembly	Pairs			
Diameter over insulation (mm)	1.16 ± 0.05	1.10	1.42 ± 0.03	1.42 ± 0.03
Cable diameter (mm)	7.3 ± 0.3	6.30 x 13.30	7.5 ± 0.2	7.4 ± 0.1 x 15.55 ± 0.5
Weight of cable (kg/km)	51	95	> 53	> 109
Min. bending radius when laying (mm)	60	50	≥ 60	≥ 60
AWG gauge	23	24	23	23

6. ELECTRICAL FEATURES at 20°C

Cat. No.	0 327 78	0 328 78	0 327 99	0 327 98
Type	F/UTP		F/FTP	
Maximum linear resistance of the cable per strand (ohm/km)	95 *			
DC dielectric strength	1 kV/1 min *			
Minimum insulation resistance (Mohm.km)	5000			
Minimum propagation speed (marked on cable)	> 66%		≥ 78%	
Characteristic impedance from 1 to 100 MHz	100 ± 15%			

* according to standard: IEC 61156-5

7. ORDERING INFORMATION

Cat. No.	0 327 78/0 328 78	0 327 98/0 327 99
Type	F/UTP	F/FTP
Colour	Yellow RAL 1018	
Pack (m)	500	
Packaging	Reel	

8. ENVIRONMENTAL FEATURES

Storage and transport temperature: 0 to +50°C
 Usage temperature: -20 to +60°C
 Fire resistance: IEC 60332-1

9. STANDARDS AND APPROVALS

Cat 6A, 500 MHz
 ANSI/TIA 568-C.2
 EN 50173
 EN 50288
 IEC 11801
 IEC 61156-5
 IEC 60332-1-2
 IEC 61034-2
 IEC 60754