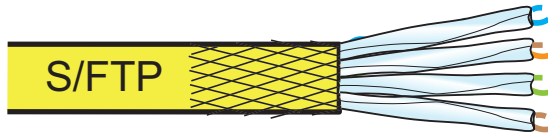


**Category 7 LSFRZH cables for LCS²
(Low Smoke Fire Resistant Zero Halogen)**

Catalogue number(s): 0 328 68



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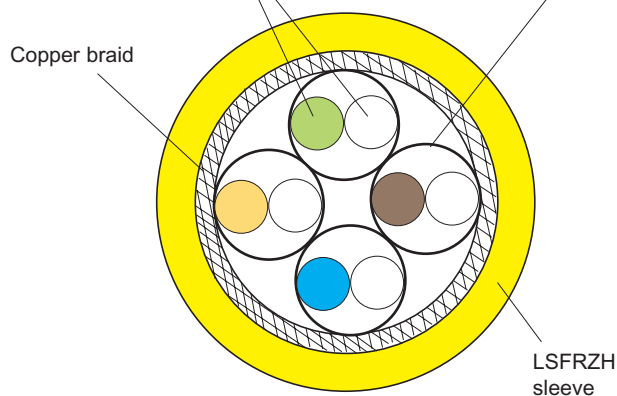
1. USE

Cat. 7 cables with 4 twisted pairs, 100 ohms for very high-speed data networks.

2. DESCRIPTION

8 conductors
23 AWG with Pe insulation Ø 1.45

4 pairs
with individual aluminium/
polyester tape screens



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 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	0 328 68
Type	S/FTP
Type of sleeve	LSFRZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1.45
Cable diameter (mm)	7.70
Weight of cable (kg/km)	59
Min. bending radius when laying (mm)	60
AWG gauge	23

6. ELECTRICAL FEATURES at 20°C

Catalogue number	0 328 68
Type	S/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)	≥ 78%
Characteristic impedance	
From 1 to 100 MHz	100 ±15%
From 100 to 250 MHz	100 ±22%
From 250 to 500 MHz	100 ±25%

* According to standard: IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 328 68
Type	S/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 60332-3c
 Smoke density: IEC 61034
 Toxicity of combustion gases: IEC 60754-1 and 60754-2
 IEC 60695-7-2, 3, 50, 51

9. STANDARDS AND APPROVALS

Cat 7, 600 MHz
 EN 50173-1
 EN 52288-4-1
 IEC 11801 2nd Ed.
 IEC 61156-5