87045 LIMOGES Cedex France
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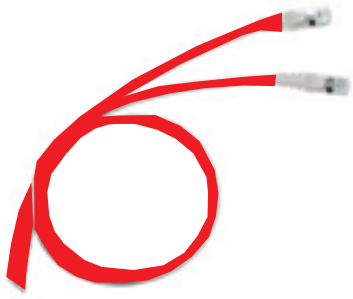
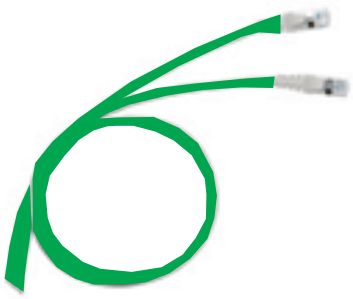
Cat. 6A LSOH cords

Catalogue numbers: 0 518 66/67/68/69/70/71/72/73
0 518 74/75/76/77/78/79/80/81





1. USE

Cords for high-speed VDI transmission networks.
Straight RJ45 - RJ45 (cable with multicore cords).
Cords wired according to method T568B.
Red: RAL 3020
Green: RAL 6026

Compatible remote powering "PoE" up to 100w (IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt) when installed according to standards ISO/IEC 14763-2 (final draft) and/or and EN 50174-2:2018

2. RANGE

Cat. Nos.	Length (m)	Colour	Type	Type of sleeve
0 518 74	1	Green	U/UTP	LSOH
0 518 75	2			
0 518 76	3			
0 518 77	5			
0 518 78	1	Red		
0 518 79	2			
0 518 80	3			
0 518 81	5			
0 518 66	1	Green	S/FTP	
0 518 67	2			
0 518 68	3			
0 518 69	5			
0 518 70	1	Red		
0 518 71	2			
0 518 72	3			
0 518 73	5			

3. CORD MARKINGS

- LEGRAND
- Catalogue number
- Gauge
- Type
- Impedance
- Type of sleeve
- Category

4. PERFORMANCE AT 500 MHZ

Standards ANSI/TIA

Length (m)	Minimum NEXT (dB)	Return Loss (dB)
1	30.9	9.5
2		
3		
5		

5. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	S/FTP
Type of sleeve	PVC	
Number of pairs	4	
Assembly	Pairs	
Diameter over insulation (mm)	0.97±0.05	1.00±0.05
Cable diameter (mm)	6.20±0.2	6.20±0.2
AWG gauge	26	26
Min. bending radius when laying (mm)	24	24
Tensile strength of the cord	≥ 50 N	≥ 50 N
Number of twists	500	500
Number of insertions	750	750

6. ELECTRICAL FEATURES AT 20°C

Loop resistance	< 2 Ω
Contact resistance	< 20 mΩ
Total resistance of the cord	< 5 Ω
Resistance per 100 m of cable with cords	< 14
DC dielectric strength	1 KV/1 min
Characteristic impedance from 1 to 500 MHz	100 Ω ± 25%

7. ENVIRONMENTAL FEATURES

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

8. STANDARDS AND APPROVALS

ISO/IEC 11801 series
EN 50173 series
ANSI/TIA-568 series
IEEE 802.3bt : "PoE++"