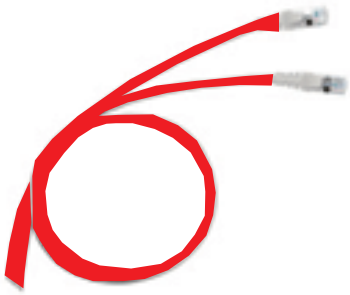
87045 LIMOGES Cedex France
Telephone: (+33) 05 55 06 87 87 - Fax: (+33) 05 55 06 88 88

Cat. 6 LSOH cords

Catalogue numbers: 0 518 50/51/52/53/54/55/56/57/58/59
0 518 60/61/62/63/64/65



1. USE

Cords for VDI transmission networks.
Cords wired according to method T568B.
Straight RJ45 - RJ45 (cable with multicore cords).
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 58	1	Green	U/UTP	LSOH
0 518 59	2			
0 518 60	3			
0 518 61	5			
0 518 62	1	Red		
0 518 63	2			
0 518 64	3			
0 518 65	5			
0 518 50	1	Green	F/UTP	
0 518 51	2			
0 518 52	3			
0 518 53	5			
0 518 54	1	Red		
0 518 55	2			
0 518 56	3			
0 518 57	5			

3. CORD MARKINGS

Marking of Legrand cables:

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

4. PERFORMANCE AT 250 MHZ

Standards IEC 61935-2 - Ed. 3.0
ISO/IEC 11801

Length (m)	Minimum NEXT (dB)	Return Loss (dB)
1	39,5	14.0
2		
3		
5		

5. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	F/UTP
Type of sleeve	LSOH	
Number of pairs	4	
Assembly	Pairs	
Diameter over insulation (mm)	0.97±0,05	0.92±0,05
Cable diameter (mm)	6±0,2	6±0,2
AWG gauge	24	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 Ω
DC dielectric strength	1 KV/1 min
Characteristic impedance from 1 to 250 MHz	100 Ω ± 15

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
ANSI/TIA-568 series
EN 50173 series
ISO/IEC 60603-7
IEEE 802.3bt : ''PoE++''