87045 LIMOGES Cedex France
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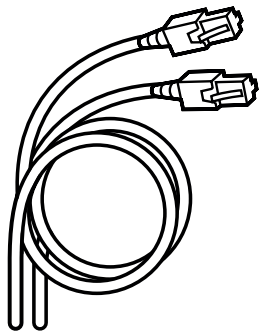
Cat. 6 PVC cords

Catalogue numbers: 6 327 50/51/52/53/54/60/61/62/63



1. USE

Cords for VDI transmission networks.
Straight RJ45 - RJ45 (cable with multicore cords).
Cords wired according to method T568B.

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)	Type	Colour	Type of sleeve
6 327 50	1	U/UTP	Light blue RAL 5024	PVC
6 327 51	1.5			
6 327 52	2			
6 327 53	3			
6 327 54	5			
6 327 60	1	F/UTP		
6 327 61	2			
6 327 62	3			
6 327 63	5			

3. CORD MARKINGS

- LEGRAND
- Catalogue number
- Gauge
- Type
- Impedance
- Type of sleeve
- 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	39.1	14.0
1.5	38.9	
2	38.7	
3	38.3	
5	38.0	

5. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	F/UTP
Type of sleeve	PVC	
Number of pairs	4	
Assembly	Pairs	
Diameter over insulation (mm)	0.97	0.92
Cable diameter (mm)	6	6
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++"