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

Cat. 6 PVC cords

Catalogue numbers: 0 517 52/53/54/55/62/63/64/65
0 517 72/73/74/75 - 0 518 15/18

1. USE

Cords for VDI transmission networks.
Cords wired according to method T568B.
Straight RJ45 - RJ45 (cable with multicore cords).
Blue RAL 5015.

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	Type of sleeve
0 517 72	1	U/UTP	PVC
0 517 73	2		
0 517 74	3		
0 517 75	5		
0 518 18	0.5		
0 517 62	1	F/UTP	
0 517 63	2		
0 517 64	3		
0 517 65	5		
0 518 15	0.5		
0 517 52	1	SF/UTP	
0 517 53	2		
0 517 54	3		
0 517 55	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)
0.5	39.5	14.0
1		
2		
3		
5		

5. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	F/UTP	SF/UTP
Type of sleeve	PVC		
Number of pairs	4		
Assembly	Pairs		
Diameter over insulation (mm)	0.97±0.05	0.92±0.05	0,90±0.05
Cable diameter (mm)	6±0.2	6±0.2	6,20±0.2
AWG gauge	24	26	27
Min. bending radius when laying (mm)	24	24	24
Tensile strength of the cord	≥ 50 N	≥ 50 N	≥ 50 N
Number of twists	500	500	500
Number of insertions	750	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++''