

Cat. 5e PVC cords

Catalogue numbers: 0 516 36/37/38/39/40/41/42/43
0 518 14/17



1. USE

Cords for VDI transmission networks.
Straight RJ45 - RJ45 (cable with multicore cords).
Grey RAL 7035.

2. RANGE

Cat. Nos.	Length (m)	Type	Type of sleeve
0 516 36	1	U/UTP	PVC
0 516 37	2		
0 516 38	3		
0 516 39	5		
0 518 17	0.5		
0 516 40	1	F/UTP	
0 516 41	2		
0 516 42	3		
0 516 43	5		
0 518 14	0.5		

3. CORD MARKINGS

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

4. PERFORMANCE AT 100 MHZ

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

Length (m)	Minimum NEXT (dB)	Return Loss (dB)
0.5	40.7	18.0
1		
2		
3		
5		

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±0.05	0.92±0.05
Cable diameter (mm)	5.4±0.2	6±0.2
AWG gauge	24	26
Min. bending radius when laying (mm)	21.6	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 100 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

ANSI/TIA 568-C.2
EN 50173
ISO/IEC 60603-7
ISO/IEC 11801