

Cat. 5e PVC cords

Catalogue numbers: **0 516 36/37/38/39/40/41/42/43/44/45**
0 516 47/85/90/91
0 517 17/45



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 90	0.3	U/UTP	PVC
0 517 45	0.6		
0 516 36	1		
0 516 37	2		
0 516 38	3		
0 516 39	5	F/UTP	
0 516 91	0.3		
0 517 17	0.6		
0 516 40	1		
0 516 41	2		
0 516 42	3	SF/UTP	
0 516 43	5		
0 516 85	0.6		
0 516 44	1		
0 516 45	2		
0 516 47	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)
0.6	40.6	18.0
1	39.9	
2	39	
3	38.3	
5	37.4	

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	0.92	0.9
Cable diameter (mm)	5.4	6	6.5
AWG gauge	24	26	26
Min. bending radius when laying (mm)	21.6	24	41
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 m Ω
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 $\Omega \pm 15$

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 EIA/TIA 568-C.2

EN 50173

ISO/IEC 60603-7

ISO/IEC 11801