

## Cat. 6A PVC cords

Catalogue numbers: 0 517 80/81/82/83  
0 518 16/82/83/84/85



### 1. USE

Cords for high-speed VDI transmission networks.  
Straight RJ45 - RJ45 (cable with multicore cords).  
Yellow: RAL 1018

### 2. RANGE

Cat. Nos.	Length (m)	Type	Type of sleeve
0 518 82	1	U/UTP	PVC
0 518 83	2		
0 518 84	3		
0 518 85	5		
0 517 80	1	S/FTP	
0 517 81	2		
0 517 82	3		
0 517 83	5		
0 518 16	0.5		

### 3. CORD MARKINGS

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

### 4. PERFORMANCE AT 500 MHZ

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

Length (m)	Minimum NEXT (dB)	Return Loss (dB)
0.5	30.9	9.5
1		
2		
3		
5		

### 5. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	S/FTP
Type of sleeve	PVC	
Number of pairs	4	
Assembly	Pairs	
Diameter over insulation (mm)	0.97±0.05	1.00±0.05
Cable diameter (mm)	6.20±0.2	6.20±0.2
AWG gauge	26	27
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
DC dielectric strength	1 KV/1 min
Characteristic impedance from 1 to 500 MHz	100 Ω ± 25

## 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

EN 50173

ISO/IEC 60603-7

ISO/IEC 11801