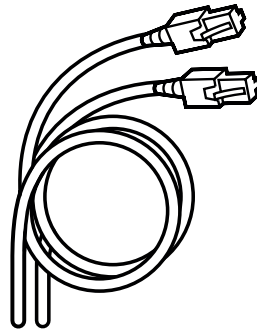


Cat. 5e PVC cords

Catalogue numbers: 6 327 30/31/32/33/34/40/41/42/43



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
632730	1	U/UTP	Light pink RAL 3012	PVC
632731	1.5			
632732	2			
632733	3			
632734	5	F/UTP	Light brown RAL 1019	
632740	1			
632741	2			
632742	3			
632743	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)
1	39.9	18.0
1,5	39.4	
2	39	
3	38.3	
5	37.4	

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)	5.4	6
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

ISO/IEC 11801 series  
ANSI/TIA-568 series  
EN 50173 series  
ISO/IEC 60603-7  
IEEE 802.3bt : "PoE++"