

## RJ45 CAT6 UTP patch cord

Cat. No(s): 0 398 74/75/76/77/78/79



### 1. USE

Cords for VDI transmission networks.  
 Straight RJ45 - RJ45 (cable with multicore cords).  
 Cords wired according to method T568B.  
 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
0 398 74	2	U/UTP	PVC
0 398 75	5		
0 398 76	10		
0 698 77	15		
0 398 78	20		
0 398 79	30		

### 3. CORD MARKING

- 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)
2	39.5	14.0
5		
10		
15		
20		
30		

### 5. TECHNICAL AND MECHANICAL FEATURES

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

### 6. ELECTRICAL FEATURES AT 20°C

Loop resistance	<2
Contact resistance	<20 mΩ
Total resistance of the cord	<5Ω
Resistance per 100 m of cable with cords	<14Ω
DC dielectric strength	1KV/1 min
Characteristic impedance from 1 to 250 MHz	100Ω±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 APPROVALS

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

