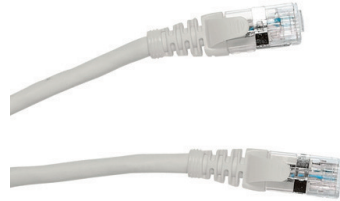


## RJ 45 Cat. 5e cords for zone distribution box

Cat. No(s): 0 515 00/01/02/03/04/05  
 Configure To Order (CTO) range



### 1. USE

Cords for high speed transmission networks.  
 Straight RJ45 - RJ45.  
 The cord is snagless : it has a strain-relief boot to protect the connector's lock from being snapped off easily.

### 2. RANGE

Type	Type of sleeve	Colour	RAL	Length (m)	Cat. Nos.
U/UTP	PVC	Grey	7035	8	0 515 00
		Grey	7035	15	0 515 01
		Grey	7035	20	0 515 02
F/UTP		Grey	7035	8	0 515 03
		Grey	7035	15	0 515 04
		Grey	7035	20	0 515 05

Configurations of above table are also available on-demand in the following colors.

Yellow	Red	Green	Blue	Black	White
RAL 1018	RAL 3020	RAL 6026	RAL 5015	RAL 9005	RAL 9003

For other lengths (from 5,5m to 20m by 0,5m step), cable types, sleeves and colours, please contact us.

### 3. MARKINGS

Marking on products:

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

### 4. PERFORMANCE AT 20°C

a/ Performance of cords only:  
 standards IEC 61935-2 - Ed. 3.0  
 ISO/IEC 11801

Length (m)	Minimum NEXT (dB)	Return Loss (dB)
7.5*	36.8	18.0
15	36	
20	35.8	

\* 7,5 : test length for 8m cord

b/ Performance of cords in system:

Maximum recommended lengths to ensure optimum performance of the system, using a copper feedthrough and/or RJ45 sockets:

	Length associated with the cord lengths (m)		Links
	Cords	Cables	
Cat. 5e	8	75	83
	15	65	80
	20	60	80

#### System performance at 100 MHz (standard EIA/TIA 568-C-2)

Attenuation (dB)	21
Minimum NEXT (dB)	32.3
PS NEXT (dB)	29.3
ACR-F (dB)	18.6
PS ACR-F (dB)	15.6
Return Loss (dB)	12

**5. TECHNICAL AND MECHANICAL FEATURES**

Type	U/UTP	F/UTP
Type of sleeve	PVC	
Number of pairs	4	
Assembly	Pairs	
Cable type	Cable with stranded wire	
Diameter over insulation (mm)	0.97±0.05	1.04±0.02
Cable diameter (mm)	5.5±0.2	6.5±0.2
AWG gauge	24	26
Min. bending radius when laying (mm)	24	24
Tensile strength of the cord	≥50 N	
Number of twists	500	
Number of insertions	2500	
Wiring method	T568B	

**6. ELECTRICAL FEATURES AT 20°C**

Loop resistance	< 2Ω
Contact resistance	< 20 mΩ
Total resistance of the cord	< 5Ω
Resistance per 100m of cable with cords	< 14Ω
DC dielectric strength	1 kV/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 AND APPROVALS****Cords are compliant to the following series**

ISO/IEC 11801 series : International standard for generic cabling for customer premises

ANSI/TIA 568 series : North American standard for generic cabling for customer premises

EN 50173 series : European standard for generic cabling for customer premises

**Components of the cords are compliant to the following series**

IEC 61156 : International standard for twisted pair cable specifications

IEC 60603-7 : International standard for connector specifications