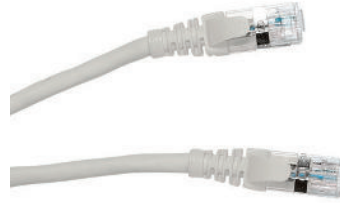


RJ 45 Cat. 5e cords

Cat. No(s): 0 516 36/37/38/39/40/41/42/43
0 518 14/17
Configure To Order (CTO) range



1. USE

Patch cords and user 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	0.5	0 518 17
		Grey	7035	1	0 516 36
		Grey	7035	2	0 516 37
		Grey	7035	3	0 516 38
		Grey	7035	5	0 516 39
F/UTP		Grey	7035	0.5	0 518 14
		Grey	7035	1	0 516 40
		Grey	7035	2	0 516 41
		Grey	7035	3	0 516 42
		Grey	7035	5	0 516 43

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 (0,3m and from 0,5 to 5m 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

Maximum length of Permanent Link based on architecture

	Maximum cord length*	Maximum Permanent Link	Total Channel
2 Connector Channel	10m	89m	99m
3 Connector Channel	10m	88m	98m
4 Connector Channel	10m	87m	97m

* = sum of 2 cords

Note: calculations based on ISO/IEC 11801. Legrand products support the 100m 2-connector channel, confirmed by laboratory testing.

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	0.92±0.05
Cable diameter (mm)	5.4±0.2	6±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