

RJ 45 Cat6 High Density cords

Cat. No(s): 0 515 40/41/42/43/44/45/46/47/48/49
 Configure To Order (CTO) range



1. USE

For LAN and Data Center applications.
 Straight RJ45 - RJ45.
 The cord is snagless : it has a strain-relief boot to protect the connector's lock from being snapped off easily.
 Patch Cords with small diameter for easy deployment in high density environment.
 Ability to achieve a tight bend radius and easy access for maintenance.

2. RANGE

Type	Type of sleeve	Colour	RAL	Length (m)	Cat. Nos.
F/UTP	LSZH	Blue	5015	0,5	0 515 40
				1	0 515 41
				2	0 515 42
				3	0 515 43
				5	0 515 44
U/UTP				0,5	0 515 45
				1	0 515 46
				2	0 515 47
				3	0 515 48
				5	0 515 49

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

Yellow	Red	Green
RAL 1018	RAL 3020	RAL 6026

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°

Maximum length of Permanent Link based on cord length requirements

Maximum cord length*	Maximum Permanent Link	Total Channel
≤6m	90m	96m
7m	88m	95m
8m	86m	94m
9m	84m	93m
10m	82m	92m

* = sum of 2 cords

5. TECHNICAL AND MECHANICAL FEATURES

Type	F/UTP	U/UTP
Type of sleeve	LSZH	
Number of pairs	4	
Assembly	Pairs	
Cable type	Cable with stranded wire	
Diameter over insulation (mm)	0.68±0,04	0.61±0,05
Cable diameter (mm)	5,2±0,2	4,2±0,1/0
AWG gauge	28	28
Min. bending radius when laying (mm)	20	20
Tensile strength of the cord	≥50 N	≥50 N
Number of twists	500	500
Number of insertions	2500	2500
Wiring method	T568B	

6. ELECTRICAL FEATURES AT 20°C

Contact resistance	<20mΩ	
Resistance per 100m of cable with cords at 20°C	<22.3Ω	
DC dielectric strength	1KV/1min	
Characteristic impedance	from 1 to 100 MHz	100±15Ω
	from 100 to 250 MHz	100±22Ω

7. ENVIRONMENTAL FEATURES

LSZH cable sheath compliant with :

Smoke density: Series IEC 61034 including IEC 61034-2, EN 61034-2

Toxicity of fire effluent: Series IEC 60754 including IEC 60754-2, EN 60754-2

Fire resistance: Series IEC 60332-1 including IEC 60332-1-2

Storage and transport temperature: -20 to +75°C

Operating temperature: -20 to +60°C

Installation temperature : 0 to +60°C

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