

RJ 45 Cat6A S/FTP High Density LSZH cords

Cat. No(s): 0 515 50/51/52/53/54



1. USE

For LAN and Data Center applications.
 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

Cat Nos	Length (m)	Colour	Type	Type of sleeve
0 515 50	0,5	Yellow RAL 1018	S/FTP	LSZH
0 515 51	1			
0 515 52	2			
0 515 53	3			
0 515 54	5			

3. CORD MARKINGS

Marking on products:

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

4. PERFORMANCE AT 500 MHZ

4.1 Performance of cords only :
 standard ANSI/TIA 568.2-D

Cat Nos	Minimum NEXT (dB)	Return Loss (dB)
0 515 50	30.9	9.5
0 515 51	30.9	
0 515 52	31	
0 515 53	31	
0 515 54	31.2	

4.2 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)		Channel
	Patch cord length	Permanent link length	
Cat.6A	0.5	90	91
	1	90	92
	2	90	94
	3	90	96
	5	82	92

These lengths are for a 2-connector channel only (without cross-connect)

5. TECHNICAL AND MECHANICAL FEATURES

Straight RJ45 - RJ45 (cable with multicore cords).



Type	S/FTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0.85±0,03
Cable diameter (mm)	5,2±0,2
AWG gauge	28
Min. bending radius when laying (mm)	20
Tensile strength of the cord	≥50 N
Number of twists	500
Number of insertions	750

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±15
	from 100 to 250 MHz	100±22
	from 250 to 500 MHz	100±25

7. ENVIRONMENTAL FEATURES

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

Operating temperature: -20 to +60°C

Installation temperature : 0 to +60°C

Densité de fumée : IEC 61034

Toxicité : IEC 60754

8. STANDARDS AND APPROVALS

ISO/IEC 60603-7

ANSI/TIA 568.2-D