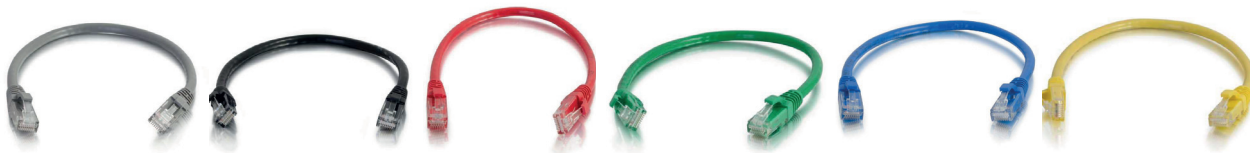


RJ45 CAT6 LSZH patch cord

Cat. No(s): 0 515 80/81/82/83, 0 517 46/47/48/49/50,
0 518 31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/91
/92/93/94/95



1. USE

Cords for VDI transmission networks.
Straight RJ45 - RJ45 (cable with multicore cords).

802.3 bt PoE++ applications compatible according to installation
standards ISO/IEC 14763-2 (final draft) and EN 50174-2 : 2018

2. RANGE

Cat. Nos.	Length (m)	Color	Type	Type of sleeve
0 515 80	0.5	Black RAL 9005	U/UTP	LSZH
0 515 81	1			
0 515 82	2			
0 515 83	3			
0 518 31	0.5	Blue RAL 5015		
0 518 32	1			
0 518 33	2			
0 518 34	3			
0 518 35	5			
0 518 36	0.5	Yellow RAL 1018		
0 518 37	1			
0 518 38	2			
0 518 39	3			
0 518 40	5			
0 518 41	0.5	Grey RAL 7035		
0 518 42	1			
0 518 43	2			
0 518 44	3			
0 518 45	5			
0 518 46	0.5	Red RAL 3020		
0 518 47	0.5	Green RAL 6026		

Cat. Nos.	Length (m)	Color	Type	Type of sleeve
0 517 46	0.5	Grey RAL 7035	F/UTP	LSZH
0 517 47	1			
0 517 48	2			
0 517 49	3			
0 517 50	5			
0 518 91	0.5	Yellow RAL 1018		
0 518 92	1			
0 518 93	2			
0 518 94	3			
0 518 95	5			

4. CORD MARKING

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

5. PERFORMANCE AT 250 MHZ

Standards
IEC 61935-2 - Ed. 3.0
ISO/IEC 11801

Length (m)	Minimum NEXT (dB)	Return loss (dB)
0.5	39.5	14.0
1		
2		
3		
5		

6. TECHNICAL AND MECHANICAL FEATURES

Type	U/UTP	F/UTP
Type of sleeve	PVC LSZH	
Number of pairs	4	
Assembly	Pairs	
Diameter over insulation (mm)	0.97±0.05	0.97±0.05
Cable diameter (mm)	6±0.2	6±0.2
AWG gauge	24	26
Min. bending radius when laying (mm)	24	24
Tensile strength of the cord	≥50 N	≥50 N
Number of twists	500	500
Number of insertions	750	750

7. 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 100 MHz	100Ω±15

8. ENVIRONMENTAL FEATURES

Storage and transport temperature : 0 to +50°C.

Usage temperature : -20 to +60°C

Fire resistance : IEC 60332-1, UL VW-1

9. STANDARDS APPROVALS

Cat 6, 250 MHz

Performances and electrical characteristics :

- ANSI/TIA 568.2-D
- EN 50173
- ISO/IEC 60603-7
- ISO/IEC 11801
- IEEE 802.3bt : PoE++