

RJ 45 Cat6A High Density cords

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

Cords wired according to method T568B.

2. RANGE

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

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

| | | |
|----------|----------|----------|
| Blue | Red | Green |
| RAL 5015 | 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 | S/FTP |
| Type of sleeve | LSZH |
| Number of pairs | 4 |
| Assembly | Pairs |
| Cable type | Cable with stranded wire |
| 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 | 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 | 100±25 |

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