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Linkeo C RJ 45 Cat. 6 cords

Cat. No(s): 6 328 64/65/66/67/68/74/75/76/77

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.

Compatible with a "PoE" remote power supply up to 90W (IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt) when installed according to standards ISO/IEC 14763-2:2019 and/or and EN 50174-2:2018

2. RANGE

Type	Type of sleeve	Colour	RAL	Length (m)	Cat. Nos.
U/UTP	PVC	Light blue	5024	1	6 328 64
		Light blue	5024	1.5	6 328 65
		Light blue	5024	2	6 328 66
		Light blue	5024	3	6 328 67
		Light blue	5024	5	6 328 68
F/UTP		Light blue	5024	1	6 328 74
		Light blue	5024	2	6 328 75
		Light blue	5024	3	6 328 76
		Light blue	5024	5	6 328 77

3. MARKINGS

Marking on products:
- LEGRAND
- Catalogue number
- Gauge
- Type
- Impedance
- Category

4. PERFORMANCE AT 20°

Maximum length of Permanent Link based on architecture

	Maximum cord length*	Maximum Permanent Link	Total Channel
2 Connector Channel	10m	89m	99m

* = 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)	0.78±0.05	0.92±0.05
Cable diameter (mm)	5.6±0.2	6±0.2
AWG gauge	26	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	2500	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

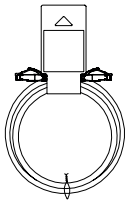
7. ENVIRONMENTAL FEATURES

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

Operating temperature: -20 to +60°C

Installation temperature : 0 to +60°C

New packaging for LINKEO C cords : no more plastic, you no longer waste time unpacking the equipment and you reduce your on-site waste.



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

Cords are compliant to requirements for the following remote powering applications
IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : "Power over Ethernet", Types 1 to 4, up to 90W.