



### 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	Sun yellow	1037	1	6 328 78
		Sun yellow	1037	2	6 328 79
		Sun yellow	1037	3	6 328 80
		Sun yellow	1037	5	6 328 81
F/UTP		Sun yellow	1037	1	6 328 86
		Sun yellow	1037	2	6 328 87
		Sun yellow	1037	3	6 328 88
		Sun yellow	1037	5	6 328 89

### 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)	0.94±0,05	1.00±0,05
Cable diameter (mm)	6±0,2	6,2±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	<5 Ω
Resistance per 100 m of cable with cords	<14 Ω
DC dielectric strength	1 KV/1 min
Characteristic impedance from 1 to 500 MHz	100 Ω ± 25%

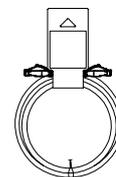
### 7. ENVIRONMENTAL FEATURES

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.



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## 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.