



1. USE

Patch 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.
S/FTP	LSZH	Aqua	6027	2	0 337 03
				3	0 337 04

3. MARKINGS

Marking on products:

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

4. PERFORMANCE AT 20°

Maximum length of two-connector Permanent Link based on cord length requirements

Maximum cord length*	Maximum Permanent Link	Total Channel
4m	26m	30m
5m	24,5m	29,5m
6m	23m	29m

* = 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)	1,1mm
Cable diameter (mm)	7
AWG gauge	26
Min. bending radius when laying (mm)	60
Tensile strength of the cord	≥50 N
Number of twists	500
Number of insertions	2500
Wiring method	T568B

6. ELECTRICAL FEATURES AT 20°C

Loop resistance	<200 mΩ
Contact resistance	<20 mΩ
Total resistance of the cord (length : 5 m)	<2,2 Ω
Resistance per 30 m of cable with cords	<4,2 Ω
DC dielectric strength	1000V / 1 min
Characteristic impedance from 1 to 2000 MHz	95 - 105 Ω

7. MATERIAL CHARACTERISTICS

Housing material : Zinc - alloy
 Contact pin : Bronze plated with 50µinch gold
 IDC : Bronze plated with 100µinch SN alloy

8. 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

9. 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.