



1. USE

LSZH sleeve - 100Ω

Class 3 TV transmission performance compliant.

Optimized performances for satellite signals (2150 MHz)

2 possible applications :

SIMULTANEOUS MULTIMEDIA

Pair 1 : phone + ADSL

Pairs 2 and 3 : Ethernet 100Mbps

Pair 4 : digital TV (CATV/TNT/SAT)

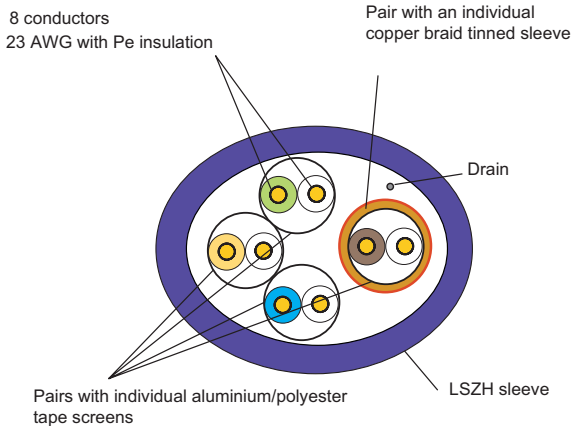
1 to 10 GIGABITS Ethernet :

Pairs 1 to 4

Maximum recommended wiring length : 45 m

802.3 bt PoE++ up to type 4 applications compatible according to installation standards ISO/IEC 14763-2 : 2019 and EN 50174-2 : 2018

2. DESCRIPTION



3. MARKING AND PACKAGING

Marking of Legrand cables

- LEGRAND
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Frequency
- Conformity to standards
- EUROCLASS
- Velocity of propagation
- Traceability
- Measurement (remaining length in metres)

Complementary marking (on label)

- Designation
- Made in...

4. PERFORMANCE (STAND. XP C 93 531-17)

Minimum NEXT (dB) : 34,8 at 500MHz
 ACRF (dB) : 14 at 500MHz

At 2150 MHz (pair 4 satellite)

Maximum attenuation (dB/100 m): 94,2
 Return Loss (dB) : 10,8

At 500 MHz (the other pairs)

Maximum attenuation (dB/100 m) : 45,3
 Return Loss (dB) : 13

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 327 89
Type	Grade 3TV
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation SAT (mm)	1,47 ± 0,03
Diameter over insulation LAN (mm)	1,4 ± 0,03
Average nominal diameter of the cable (mm)	9,5±0,3 x 5,5±0,3
Weight of cable (kg/km)	56
Min. bending radius when laying (mm)	≥40
AWG gauge	23

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 327 89
Type	Grade 3TV
Maximum linear resistance (ohm/km)	74 *
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	≥78 %
Characteristic impedance at 100 MHz	100 ±5Ω
Coupling loss 30 - 100 MHz	≥85dB
Coupling loss 100 - 2150 MHz	≥85 -20 x log ₁₀ (f/100)

* According to standard XP C 93 531-17

7. ORDERING INFORMATION

Catalogue number	0 327 89
Type	Grade 3TV
Colour	Purple
Pack (m)	100
Packaging	Coil

8. ENVIRONMENTAL FEATURES

Transport and storage temperature: -20 at + 60 °C

Storage temperature before installation: 10°C during 24h (if stock ≤ 5°C)

Usage temperature: - 20 to + 60 °C

Fire rating : EN 50399, IEC 60332-1-2, EN 60332-1-2

Smoke density : IEC 61034-2, EN 61034-2

Toxicity of fire effluent : IEC 60754-2, EN 60754-2

EUROCLASS EN 13501-6 = Classe Cca s1, d1, a1

Also compliant with Eca + Dca

9. STANDARDS AND APPROVALS

Class 3 TV

Electrical performances and characteristics

- XP C 93 531-17

- Guide UTE C 90483

- EN 50173-4

IEEE 802.3bt : PoE++