

1. USE

LSZH sleeve which one alone screened TV pair - 100Ω

Indoor telecommunications installation

Optimized performances for satellites signals (2150 MHz)

2 possible applications :

SIMULTANEOUS MULTIMEDIA

Pair 1 : phone + ADSL

Pairs 2 and 3 : Ethernet 100Mbps

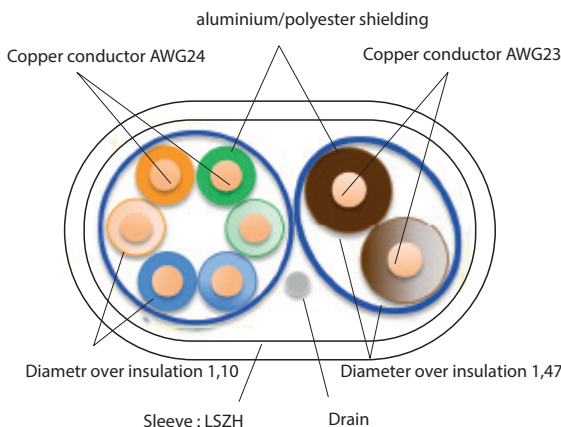
Pair 4 : digital TV (CATV/TNT/SAT)

GIGABIT Ethernet :

Pairs 1 to 4

Maximum recommended wiring length : 45 m

2. DESCRIPTION



3. MARKING AND PACKAGING

Marking of Legrand cables

- LEGRAND
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Class
- Conformity to standards
- Batch number
- Measurement (remaining length in metres).
- EUROCLASS Dca - s2, d2, a2
- Velocity of propagation

4. PERFORMANCE (STAND. XP C 93 531-16)

Minimum NEXT (dB):.....29,3 at 250MHz

FEXT at 1 MHz :..... ≤ 60dB

At 2150 MHz (pair 4 satellite)

Maximum attenuation (dB/100 m):.....94,2

Return Loss (dB) :.....10,8

At 250 MHz (the other pairs)

Maximum attenuation (dB/100 m):.....36,9

Return Loss (dB) :.....15,2

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 930 44
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1,10±0.05/ 1,47±0.05
Cable diameter (mm)	8,1x4,6
Weight of cable (kg/km)	41
Min. bending radius when laying (mm)	40
AWG gauge	24 (pairs 1 to 3)/23 (pair 4)

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 930 44	
Type	F/UTP	
	1 to 3	4
Maximum linear resistance (ohm/km)	95 *	80 *
DC dielectric strength	1 KV / 1 min *	
Minimum insulation resistance (Mohm.km)	5000	
Minimum propagation speed	78 %	
Characteristic impedance at 100 MHz	100 ±5Ω	

* According to standard XP C 93 531-16

7. ORDERING INFORMATION

Catalogue number	0 930 44
Type	F/UTP
Colour	White
Pack (m)	50
Packaging	Coil

8. ENVIRONMENTAL FEATURES

Transport temperature: 0 à + 50 °C
 Storage temperature before use: 10°C during 24h (if stock ≤ 5°C)
 Usage temperature: - 20 à + 60 °C

Fire resistance: 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 Dca s2d2a2
 Also compliant with Eca

9. STANDARDS AND APPROVALS

Class 2 TV
 XP C 93 531-16
 Guide UTE C 90483
 EN 50173-4