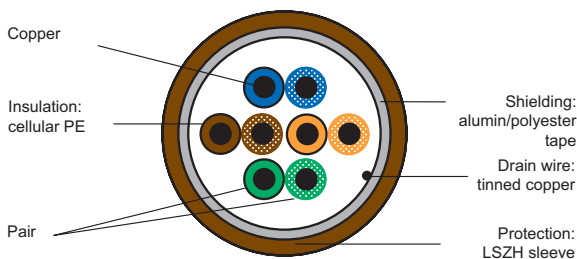


1. USE

Cable for high-speed VDI transmission networks

PoE applications compatible

2. DESCRIPTION



Note : The conductive part of the shielding is located on the wire side

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).
- Made in.....

4. PERMANENT LINK PERFORMANCE AT 100 MHZ (STAND. ISO/IEC 11801)

Catalogue number	6 327 18
Maximum attenuation (dB)	20,4
Minimum NEXT (dB)	32,3
PS NEXT (dB)	29,3
ACRF (dB)	18,6
PS ACRF (dB)	15,6
Return Loss (dB)	12

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	6 327 18
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,95±0,05
Cable diameter (mm)	5,7±0,2
Weight of cable (kg/km)	34
Min. bending radius when laying (mm)	47
AWG gauge*	25

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	6 327 18
Type	F/UTP
Maximum linear resistance (ohm/km)	≤145*
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	67%
Characteristic impedance at 100 MHz	100Ω ±15%

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	6 327 18
Type	F/UTP
Colour	Brown RAL 8024
Pack (m)	305
Packaging	Box

8. ENVIRONMENTAL FEATURES

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

Fire rating : 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 Eca

9. STANDARDS AND APPROVALS

Cat 5e, 100 MHz
Electrical performances and characteristics :
- EN 50173-1
- ISO/IEC 11801 (ed 2.2)
PoE : IEEE 802.3af