



1. USE

Cable for high-speed VDI transmission networks

PoE and PoE+ applications compatible

2. DESCRIPTION



3. MARKING AND PACKAGING

Marking of Legrand cables

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

4. LINK PERFORMANCE AT 250 MHZ (STAND. ANSI/TIA 568-C.2)

Reference	6 327 24
Maximum attenuation (dB/100 m)	31,1
Minimum NEXT (dB)	35,3
PS NEXT (dB)	32,7
ACRF (dB / 100 m)	16,2
PS ACRF (dB / 100 m)	13,2
Return Loss (dB)	10

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	6 327 24
Type	U/UTP
Type of sleeve	PVC
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,95 ± 0,05
Cable diameter (mm)	5,8 ± 0,3
Weight of cable (kg/km)	45
Min. bending radius when laying (mm)	24
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	6 327 24
Type	U/UTP
Maximum linear resistance (ohm/km)	95
DC dielectric strength	1 KV / 1 min
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	66 %
Characteristic impedance at 100 MHz	100 ± 15Ω

7. ORDERING INFORMATION

Catalogue number	6 327 24
Type	U/UTP
Colour	White RAL 9010
Pack (m)	305
Packaging	Box

8. ENVIRONMENTAL FEATURES

Transport 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

EUROCLASS EN 13501-6 = Class Eca

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz

ANSI/TIA 568-C.2

EN 50173-1

EN 50288-6-1

ISO/IEC 11801 (ed. 2.2)

IEEE 802.3at : PoE+