

Cat.5e F/UTP PVC cable for local networks

Catalogue number(s) : 0 327 53

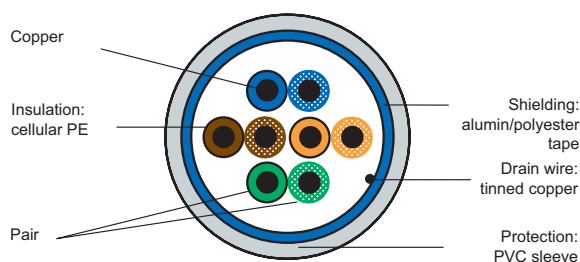


1. USE

Cable for high-speed VDI transmission networks

802.3 bt PoE++ applications compatible according to installation standards ISO/IEC 14763-2 (final draft) and EN 50174-2 : 2018

2. DESCRIPTION



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

MARKING AND PACKAGING

Marking of Legrand cables

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

Complementary marking (on label)

- Designation
- Made in....

3. PERFORMANCE AT 100 MHZ (STAND. ANSI/TIA 568.2-D)

Catalogue number	0 327 53
Maximum attenuation (dB/100 m)	22
Minimum NEXT (dB)	35,3
PS NEXT (dB)	32,3
ACRF (dB / 100 m)	24
PS ACRF (dB / 100 m)	21
Return Loss (dB)	20,1

4. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 327 53
Type	F/UTP
Type of sleeve	PVC
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1±0.05
Average nominal diameter of the cable (mm)	6 ± 0,03
Weight of cable (kg/km)	35 to 39
Min. bending radius when laying (mm)	49
AWG gauge*	24

* According to UL 444 ed.3 table 4

5. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 327 53
Type	F/UTP
Maximum linear resistance (ohm/km)	95 *
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	>65 %
Characteristic impedance at 100 MHz	100 $\Omega \pm 5\Omega$

* According to standard IEC 61156-5

6. ORDERING INFORMATION

Catalogue number	0 327 53
Type	F/UTP
Colour	Grey RAL 7035
Pack (m)	305
Packaging	Box

7. ENVIRONMENTAL FEATURES

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

Storage temperature before installation: 10°C during 24h (if stock $\leq 5^\circ\text{C}$)

Usage temperature: - 20 to + 60 °C

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

EUROCLASS EN 13501-6 = Class Eca

8. STANDARDS AND APPROVALS

Cat 5e, 100 MHz

Electrical performances and characteristics :

- ANSI/TIA 568.2-D

- EN 50173-1

- EN 50288-2-1

- ISO/IEC 11801 (ed. 2.2)

- IEC 61156-5

IEEE 802.3bt : PoE++