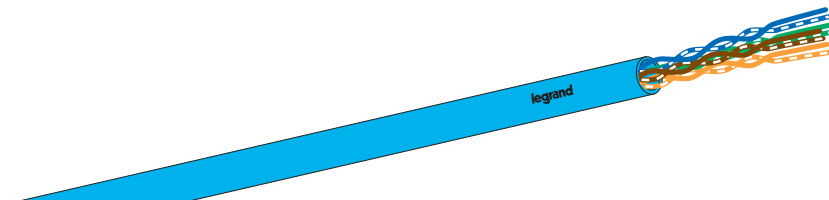


Cat.6 U/UTP PVC cable for local networks

Catalogue number(s) : 0 327 55B/O/G/W

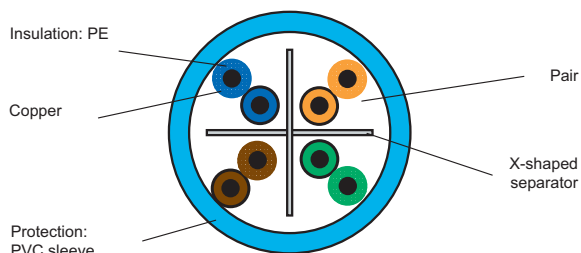


1. USE

Cable for high-speed VDI transmission networks

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
- Conformity to standards
- Velocity of propagation
- Traceability
- Measurement (remaining length in metres).

Complementary marking (on label)

- Designation
- Made in....

4. PERFORMANCE AT 250 MHZ (STAND. ANSI/TIA 568.2-D))

Reference	0 327 55B/O/G/W
Maximum attenuation (dB/100 m)	32,8
Minimum NEXT (dB)	38,3
PS NEXT (dB)	36,3
ACRF (dB / 100 m)	18,8
PS ACRF (dB / 100 m)	16,8
Return Loss (dB)	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 327 55B/O/G/W
Type	U/UTP
Type of sleeve	PVC
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,96± 0,03
Average nominal diameter of the cable (mm)	6,0 ± 0,2
Weight of cable (kg/km)	36 ± 10%
Min. bending radius when laying (mm)	24
AWG gauge*	23

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 327 55B/O/G/W
Type	U/UTP
Maximum linear resistance (ohm/km)	93.8 *
DC dielectric strength	1 KV / 1 min *
Minimum insulation resistance (Mohm.km)	5000
Minimum propagation speed	69 %
Characteristic impedance at 100 MHz	100 ±5Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 327 55B	0 327 55O	0 327 55G	0 327 55W
Type	U/UTP	U/UTP	U/UTP	U/UTP
Colour	Blue RAL 5015	Orange RAL 2008	Green RAL 6024	White RAL 9003
Pack (m)	305	305	305	305
Packaging	Box	Box	Box	Box

8. ENVIRONMENTAL FEATURES

Transport and storage temperature: -20 at + 70 °C

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

Usage temperature: - 20 to + 70 °C

Fire rating : IEC 60332-1-2

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz

Electrical performances and characteristics :

- ANSI/TIA 568.2-D

- EN 50173-1

- EN 50288-6-1

- ISO/IEC 11801 (ed. 2.2)

- IEC 61156-5

IEEE 802.3bt : PoE++