Cat.5e U/UTP LSZH cable for local networks
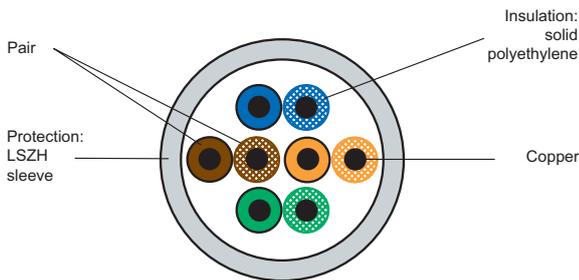
Catalogue number(s) : 0 338 50

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
- EUROCLASS
- Velocity of propagation
- Traceability
- Measurement (remaining length in metres).

Complementary marking (on label)
- Designation
- Made in....

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

Reference	0 338 50
Maximum attenuation (dB/100 m)	22
Minimum NEXT (dB)	35,3
PS NEXT (dB)	32,3
ACRF (dB / 100 m)	23,8
PS ACRF (dB / 100 m)	20,8
Return Loss (dB)	20,1

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 338 50
Type	U/UTP
Type of sleeve	LSOH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,9
Average nominal diameter of the cable (mm)	5 ± 0,1
Weight of cable (kg/km)	36
Min. bending radius when laying (mm)	20
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 338 50
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 ±5Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 338 50
Type	U/UTP
Colour	Grey RAL 7035
Pack (m)	305
Packaging	Box

8. ENVIRONMENTAL FEATURES

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

Fire rating: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 = Class Dca s2d2a1
Also compliant with Eca

9. STANDARDS AND APPROVALS

Cat 5e, 100 MHz
Electrical performances and characteristics :
- ANSI/TIA 568.2-D
- EN 50173-1
- EN 50288-3-1
- ISO/IEC 11801 (ed. 2.2)
- IEC 61156-5
IEEE 802.3bt : PoE++