L'legrand®

Cat.5e F/UTP LSZH cable for local networks
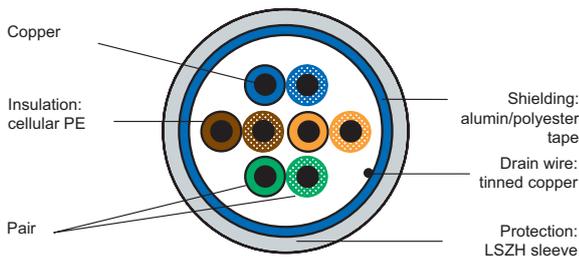
Catalogue number(s) : 0 338 51

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

Copper
Insulation: cellular PE
Pair
Shielding: alumin/polyester tape
Drain wire: tinned copper
Protection: LSZH sleeve

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
- Impédance
- Type of sleeve
- Catégory
- Conformity to standards
- Batch number
- Measurement (remaining length in metres).
- EUROCLASS Dca - s2, d2, a1
- Velocity of propagation
- Made in...

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

Catalogue number	0 338 51
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

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 338 51
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	1,1
Cable diameter (mm)	5,9
Weight of cable (kg/km)	38
Min. bending radius when laying (mm)	48
AWG gauge*	24

* According to UL 444 ed.3 table 4

---

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 338 51
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	66%
Characteristic impedance at 100 MHz	100 Ω ± 5 Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 338 51
Type	F/UTP
Colour	Grey RAL 7035
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 : 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 = Classe Dca - s2, d2, a1
Also compliant with Eca

9. STANDARDS AND APPROVALS

Cat 5e, 100 MHz
EN 50173-1
EN 50288-2-1
ISO/IEC 11801 (ed. 2.2)
IEC 61156-5
IEEE 802.3bt : PoE++