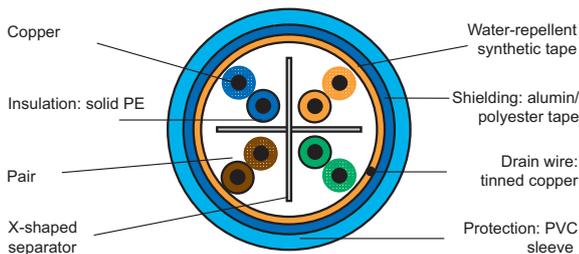


1. USE

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



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

Reference	0 338 54
Maximum attenuation (dB/100 m)	33
Minimum NEXT (dB)	39,3
PS NEXT (dB)	36,3
ACRF (dB / 100 m)	20
PS ACRF (dB / 100 m)	17
Return Loss (dB)	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 338 54
Type	F/UTP
Type of sleeve	PVC
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	<1,10
Average nominal diameter of the cable (mm)	6,3
Weight of cable (kg/km)	40
Min. bending radius when laying (mm)	≥50
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 338 54
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	78 %
Characteristic impedance at 100 MHz	100 ±5Ω

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	0 338 54
Type	F/UTP
Colour	Blue RAL 5015
Pack (m)	500
Packaging	Reel

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

EUROCLASS EN 13501-6 = Class Eca

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz
 Electrical performances and characteristics :
 - ANSI/TIA 568.2-D
 - EN 50173-1
 - EN 50288-5-1
 - ISO/IEC 11801 (ed. 2.2)
 - IEC 61156-5
 IEEE 802.3bt : PoE++