

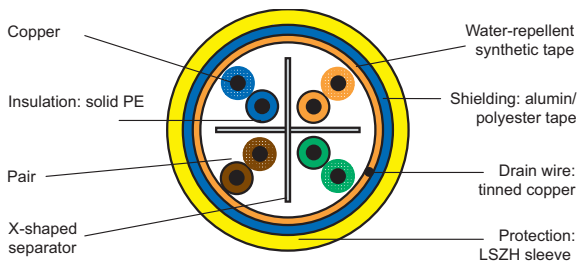


1. USE

Cables with 4 twisted pairs, 100 ohms for high-speed data 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 500 MHZ (STAND. ANSI/TIA 568.2-D)

Maximum attenuation (dB/100 m):	45,3
Minimum NEXT (dB):	34,8
PS NEXT (dB) :	31,8
ACRF (dB / 100 m) :	14
PS ACRF (dB / 100 m) :	11
Return Loss (dB) :	17,3

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 338 55
Type	F/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	<1,10
Average nominal diameter of the cable (mm)	6,7±0.4
Weight of cable (kg/km)	48
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 55
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 55
Type	F/UTP
Colour	Yellow RAL 1018
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 : 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 s2d2a1
Also compliant with Eca

9. STANDARDS AND APPROVALS

Cat 6A, 500 MHz
Electrical performances and characteristics :
- ANSI/TIA 568.2-D
- EN 50173-1
- EN 50288-10-1
- ISO/IEC 11801 (ed. 2.2)
- IEC 61156-5
IEEE 802.3bt : PoE++