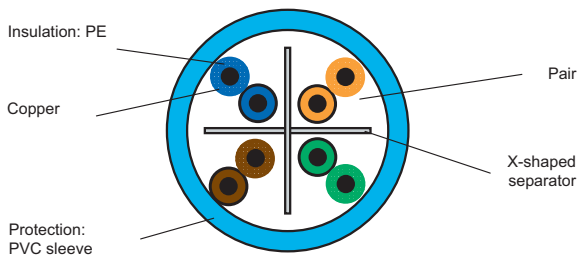


1. USE

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

Reference	0 327 55
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 55
Type	U/UTP
Type of sleeve	PVC
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,95± 0,05
Average nominal diameter of the cable (mm)	5,8 ± 0,3
Weight of cable (kg/km)	36
Min. bending radius when laying (mm)	25
AWG gauge*	24

* According to UL 444 ed.3 table 4

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	0 327 55
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	0 327 55
Type	U/UTP
Colour	Blue RAL 5015
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 : IEC 60332-1-2, EN 60332-1-2

EUROCLASS EN 13501-6 = Class Eca

9. STANDARDS AND APPROVALS

Cat 6, 250 MHz

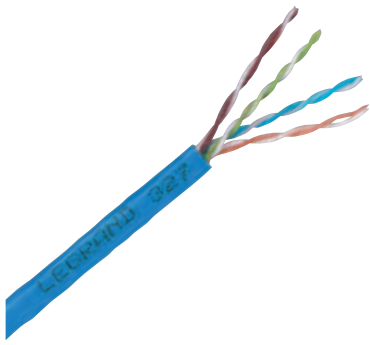
Electrical performances and characteristics :

- ANSI/TIA 568.2-D
- EN 50173-1
- EN 50288-6-1
- ISO/IEC 11801 (ed. 2.2)
- IEC 61156-5

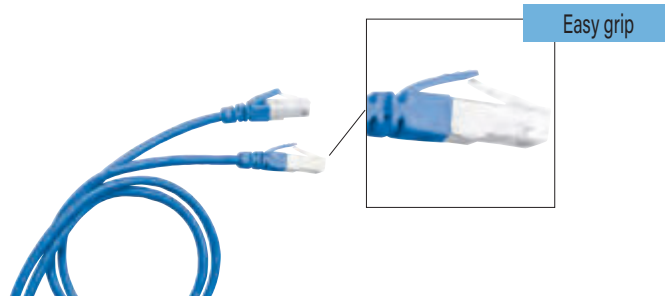
IEEE 802.3bt : PoE++

Legrand cabling system, LCS³ cat. 6

cables and cords



0 327 54



0 517 54



0 515 41

Pack	Cat.Nos	Cat. 6 cables for local networks
		Performance 250 MHz Cables with 4 pairs or 2 x 4 twisted pairs, 100 Ω Blue RAL 5015 ANSI/TIA colour code Compliant with ISO/IEC 11 801, EN 50173 and ANSI/TIA 568 standards Products conforming to the CPR regulations Euroclass Dca for LSZH cables (except Cat No 0 328 86: Euroclass Cca and Cat No 0 328 79 : Euroclass B2ca), Euroclass Eca for PVC cables
		U/UTP - 4 pairs
305 ¹	0 327 54	Length 305 m Supplied in cardboard box. Weight 14 kg
305 ¹	0 328 86	Length 305 m Supplied in cardboard box. Weight 15 kg
305 ¹	0 328 79	Length 500m Supplied on reel. Weight 24 kg
500 ¹	0 328 61	Length 500 m Supplied on reel. Weight 19 kg
305 ¹	0 327 55	Length 305 m Supplied in cardboard box. Weight 13 kg
		F/UTP - 4 pairs
305 ¹	0 328 56	Length 305 m Supplied in reel in box. Weight 19 kg
500 ¹	0 327 56	Length 500 m Supplied on reel. Weight 27 kg
		F/UTP - 4 pairs
305 ¹	0 328 57	Length 305 m Supplied in reel in box. Weight 20 kg
500 ¹	0 327 58	Length 500 m Supplied on reel. Weight 25 kg
		F/UTP - 2 x 4 pairs
500 ¹	0 327 76	Length 500 m Supplied on reel. Weight 51 kg
		SF/UTP - 4 pairs
500 ¹	0 327 57	Length 500 m Supplied on reel. Weight 31 kg
500 ¹	0 327 59	Length 500 m Supplied on reel. Weight 30 kg

1: in metre(s)

Pack	Cat.Nos	Cat. 6 RJ 45 patch cords and user cords
		RJ 45/RJ 45 - straight Compliant with ISO/IEC 11 801, EN 50173 and ANSI/TIA 568 standards
		Shielded SF/UTP, impedance 100 Ω
		Length 1 m
1	0 517 52	Length 2 m
1	0 517 53	Length 3 m
1	0 517 54	Length 5 m
		Screened F/UTP, impedance 100 Ω
		Length 0.5 m
1	0 518 15	Length 1 m
1	0 517 62	Length 2 m
1	0 517 63	Length 3 m
1	0 517 64	Length 5 m
1	0 517 65	Length 5 m
		Unshielded U/UTP, impedance 100 Ω
		Length 0.5 m
1	0 518 18	Length 1 m
1	0 517 72	Length 2 m
1	0 517 73	Length 3 m
1	0 517 74	Length 5 m
1	0 517 75	Length 5 m
		High Density
		RJ 45/RJ 45 - straight Compliant with ISO/IEC 11 801, EN 50173 and ANSI/TIA 568 standards
		Screened F/UTP, impedance 100 Ω
		Length 0.5 m
1	0 515 40	Length 1 m
1	0 515 41	Length 2 m
1	0 515 42	Length 3 m
1	0 515 43	Length 5 m
1	0 515 44	Length 5 m
		Unshielded U/UTP impedance 100 Ω
		Length 0.5 m
1	0 515 45	Length 1 m
1	0 515 46	Length 2 m
1	0 515 47	Length 3 m
1	0 515 48	Length 5 m
1	0 515 49	Length 5 m

Pack	Cat.Nos	Cat. 6 RJ 45 patch cords and user cords - High Density
		RJ 45/RJ 45 - straight Compliant with ISO/IEC 11 801, EN 50173 and ANSI/TIA 568 standards
		Screened F/UTP, impedance 100 Ω
		Length 0.5 m
1	0 515 40	Length 1 m
1	0 515 41	Length 2 m
1	0 515 42	Length 3 m
1	0 515 43	Length 5 m
1	0 515 44	Length 5 m
		Unshielded U/UTP impedance 100 Ω
		Length 0.5 m
1	0 515 45	Length 1 m
1	0 515 46	Length 2 m
1	0 515 47	Length 3 m
1	0 515 48	Length 5 m
1	0 515 49	Length 5 m
		Marking kit
200	0 518 90	Kit of 200 coloured rings for marking RJ 45 cords 4 colors (green/red/yellow/blue) 50 pieces of each color Rings to be clipped onto the patch cords