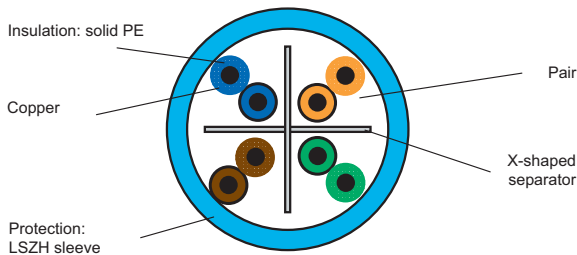


### 1. USE

Cable for high-speed VDI transmission networks

PoE and PoE+ applications compatible

### 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
- Batch number
- Measurement (remaining length in metres).
- EUROCLASS Dca - s2, d2, a1
- Velocity of propagation

### 4. PERFORMANCE AT 250 MHZ (STAND. ANSI/TIA 568-C.2)

Reference	0 327 54
Maximum attenuation (dB/100 m)	32,8
Minimum NEXT (dB)	38,3
PS NEXT (dB)	36,3
ACRF (dB / 100 m)	19,8
PS ACRF (dB / 100 m)	16,8
Return Loss (dB)	17,3

### 5. TECHNICAL AND MECHANICAL FEATURES

Catalogue number	0 327 54
Type	U/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,99 ± 0,04
Cable diameter (mm)	5,8 ± 0,4
Weight of cable (kg/km)	37 to 43
Min. bending radius when laying (mm)	25
AWG gauge*	23

\* According to UL 444 ed.3 table 4

**6. ELECTRICAL FEATURES AT 20°C**

Catalogue number	0 327 54
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 54
Type	U/UTP
Colour	Blue RAL 5015
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 = Class Dca s2d2a1  
 Also compliant with Eca

**9. STANDARDS AND APPROVALS**

Cat 6, 250 MHz  
 ANSI/TIA 568-C.2  
 EN 50173-1  
 EN 50288-6-1  
 ISO/IEC 11801 (ed. 2.2)  
 IEC 61156-5  
 IEEE 802.3at : PoE+