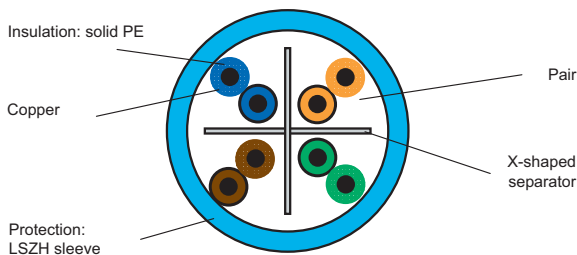


### 1. USE

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	0 328 20/21/22/61/71
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	0 328 20/21/22/61/71
Type	U/UTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0,99 ± 0,05
Average nominal diameter of the cable (mm)	6,1 ± 0,3
Weight of cable (kg/km)	39
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	0 328 20/21/22/23/61/71
Type	U/UTP
Maximum linear resistance (ohm/km)	84*
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	0 328 20	0 328 21	0 328 22	0 328 23	0328 61	0328 71
Type	U/UTP					
Colour	Red RAL 3020	Yellow RAL 1018	Green RAL 6026	Grey RAL 7035	Blue RAL 5015	
Pack (m)	500	500	500	500	500	1000
Packaging	Reel					

**8. ENVIRONMENTAL FEATURES**

Transport and storage 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  
 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++