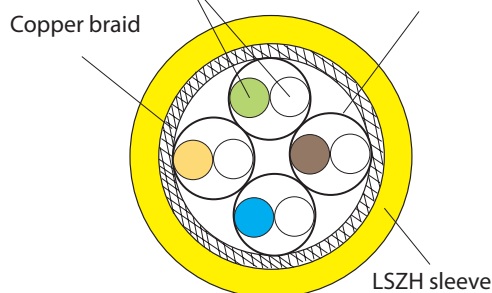


## 1. USE

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

8 x conductors with PE insulation  
4 pairs with individual aluminium/polyester tape screens



## 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 meters).

Complementary marking (on label)

- Designation
- Made in....

## 4. PERFORMANCE

The Cable has a positive PS ACR-F, representing the bandwidth, up to 1500Mhz

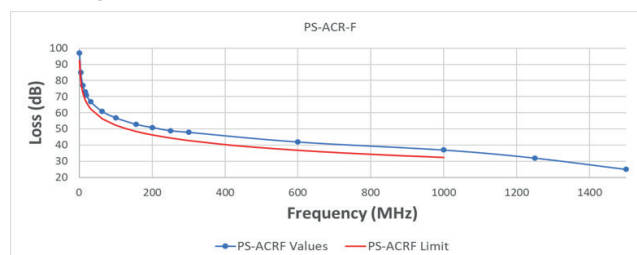
### ■ 4.1 Performance at 1000MHz according to ISO/IEC 11801

Maximum attenuation (dB/100 m):.....61,9  
Minimum NEXT (dB):.....60,4  
Minimum PS-NEXT (dB) : .....57,4  
Minimum ACR-F (dB / 100 m) :.....35,3  
Minimum PS ACR-F (dB / 100 m) : .....32,4  
Minimum Return Loss (dB) : .....15,1

### ■ 4.2 Performance of the cable at 1500Mhz

Maximum attenuation (dB/100 m):.....64.1  
Minimum NEXT (dB):.....80.0  
Minimum PS-NEXT (dB) : .....77.0  
Minimum ACR-F (dB / 100 m) : .....28.0  
Minimum PS ACR-F (dB / 100 m) : .....25.0  
Minimum Return Loss (dB) : .....17.0

### ■ 4.3 Graph of PS ACR-F of the cable vs ISO/IEC 11801



## 5. PERFORMANCE AT 1000 MHZ (STAND. ISO/IEC 11801)

|                                      |           |
|--------------------------------------|-----------|
| Catalogue number                     | 0 328 52  |
| Type                                 | S/FTP     |
| Type of sleeve                       | LSZH      |
| Number of pairs                      | 4         |
| Assembly                             | Pairs     |
| Diameter over insulation (mm)        | 1,4±0.1   |
| Cable diameter (mm)                  | 7,5 ± 0,8 |
| Weight of cable (kg/km)              | 63        |
| Min. bending radius when laying (mm) | 60        |
| AWG gauge*                           | 22        |

\* According to UL 444 ed.3 table 4

**6. ELECTRICAL FEATURES AT 20°C**

|                                         |                |
|-----------------------------------------|----------------|
| Catalogue number                        | 0 328 52       |
| Type                                    | S/FTP          |
| Maximum linear resistance (ohm/km)      | 66             |
| DC dielectric strength                  | 1 KV / 1 min * |
| Minimum insulation resistance (Mohm.km) | 5000           |
| Minimum propagation speed               | >76 %          |
| Characteristic impedance at 100 MHz     | 100 ±5Ω        |

\* According to standard IEC 61156-5

**7. ORDERING INFORMATION**

|                  |                 |
|------------------|-----------------|
| Catalogue number | 0 328 52        |
| Type             | S/FTP           |
| Colour           | Yellow RAL 1018 |
| Pack (m)         | 1000            |
| Packaging        | Reel            |

**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

Segregation classification “d” according to ISO/IEC 14763-2

EUROCLASS EN 13501-6 = Class Cca s1a, d1, a1

Also compliant with Dca and Eca

**9. STANDARDS AND APPROVALS**

Cat 7A, 1000 MHz

Electrical performances and characteristics :

ISO/IEC 11801 series : International standard for generic cabling for customer premises

EN 50173 series : European standard for generic cabling for customer premises

IEC 61156 : International standard for twisted pair cable specifications

IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : “Power over Ethernet”, Types 1 to 4, up to 90W