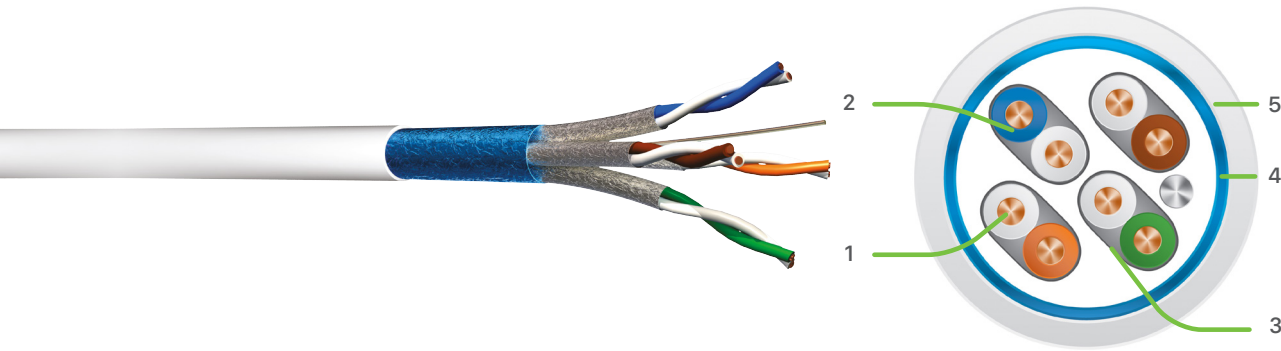


## F555xSHyBL

CAT6A F/FTP 4 or 2x4 pairs cables - LSZH - 555MHz

### + BENEFITS

- LAN cable offering low Joule losses thanks to an AWG23
- Excellent transmission performance: 10Gbit/s up to 125m
- Excellent electromagnetic compatibility: F/FTP construction



1. Conductor : Solid bare copper AWG23

2. Insulation : PE Skin-Foam-Skin

3. Drain wire : Aluminium/Polyester foil ; Coverage  $\geq$  100%

4. General Shield:Aluminium/Polyester foil ; Coverage  $\geq$  100%

5. Outer Jacket : LSZH Cca purple RAL 4001

## DESCRIPTION / APPLICATIONS

The F555xSHyBL cable is used in the case of shielded cabling solutions for horizontal and vertical configurations. Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 555 Mhz. It constitutes an investment for the future network applications. Its low oxygen concentration on Skin Foam Skin insulation improve the heat dissipation. F/FTP construction with an overlap greater than 100% gives it excellent EMC.

- Ethernet T base up to 10Gbits/s
- PoE : IEEE 802.3 af / at / bt

## STANDARDS

**CABLES :** IEC 61156-5 CAT6A

**SYSTEM :** ISO/IEC 11801 Ed3

TIA 568.2-D CAT6A

**FIRE BEHAVIOR :** IEC 60332-1

**CPR LEVEL :** Dca s1, d1, a1

## ELECTRICAL PROPERTIES

**MAX LINEAR ELECTRICAL RESISTANCE:** 95  $\Omega$ /Km

**MUTUAL CAPACITY:** 45 pF/Km

**CHARACTERISTIC IMPEDANCE:** 100+/- 15  $\Omega$ /Km

**PROPAGATION VELOCITY:** 79%

## MECHANICAL PROPERTIES

**OPERATING TEMPERATURE:** -20°C / +70°C

**MINIMUM BENDING RADIUS:** 8 x cable diameter

**CABLE SECTION:** AWG23

**COMPLIANCE:** RoHS

## ORDERING INFORMATION

P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKING
F5554SH5BL	CAT6A F/FTP 4 PAIRS - LSZH - 555MHz	7.4	Drum 500m
F5558SH5BL	CAT6A F/FTP 2x4 PAIRS - LSZH - 555MHz	7.4 mm x 15.3 mm	Drum 500m