

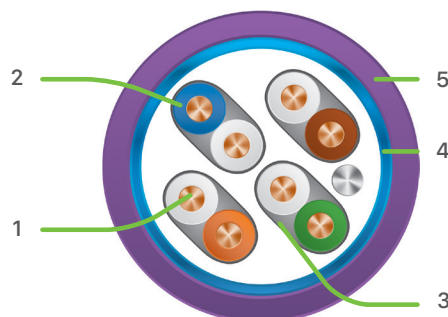
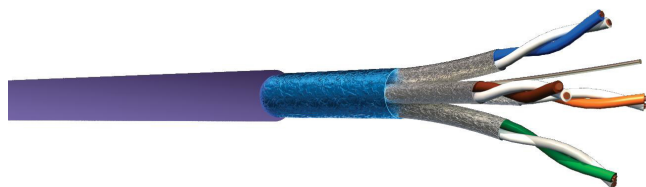
## F600xSHCy

CAT6A 90W F/FTP 4 or 2x4 pairs cables - LSZH - Cca

### + BENEFITS

- 90W power LAN cable offering low Joule losses thanks to an AWG22
- Excellent transmission performance: 10Gbit/s up to 125m
- Exceeds CAT6A requirements: tested at 600MHz
- Excellent electromagnetic compatibility: Segregation class D
- Good fire behavior: LSZH Cca s1, d1, a1

90 W



1. Conductor : Solid bare copper AWG22

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

F600xSHCy cable has been designed for applications using 4pPoE and a 90W power.

Thanks to the AWG22 section which minimize losses by Joule effects, the F600xSHCy cable will provide the power required for IP equipments without significant heating.

Its low oxygen concentration on Skin Foam Skin insulation improve the heat dissipation.

The F / FTP type construction of the F600xSHCy with an overlap greater than 100%, gives it excellent EMC and enables segregation class D

- 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 Class Ea  
TIA 568-C.2 CAT6A

**FIRE BEHAVIOR :** IEC 60332-1

**CPR LEVEL :** Cca 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%

**ADMISSIBLE POWER:** 4pPoE - 90W

**SEGREGATION CLASS :** D Class

## MECHANICAL PROPERTIES

**OPERATING TEMPERATURE :** -20°C / +60°C

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

**CABLE SECTION :** AWG22

**COMPLIANCE :** RoHS

## ORDERING INFORMATION

P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKING
<b>F6004SHC5</b>	CAT6A 90W F/FTP 4 PAIRS AWG22 - LSZH - Cca	7.5 +/- 0.5mm	Drum 500m
<b>F6008SHC5</b>	CAT6A 90W F/FTP 2x4 PAIRS AWG22- LSZH - Cca	7.5 +/- 0.5mm x 15 +/- 0.7mm	Drum 500m