

## Data Cable 1000 Cat7A / Class FA S/FTP AWG23, 4Pairs Cable, LSZH Sheath



### Applications

Data cable for horizontal cables and Building backbones. Suitable for voice, video & data transmission. Applicable for all ICT network applications up to 1200 MHz frequency. Support Power over Ethernet POE/POE+.

### General Construction

Cat.7A data cable – Compliant with the standards ISO/IEC 11801, IEC 61156-5, IEC 61156-7, EN 50173-1, EN 50173-1 and EN 50288-9-1. Very strong shielding, individually screened pairs and overall braid screening. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

<b>Outer Jacket material</b>	FR-LSZH (Complies RoHS).
<b>Outer Jacket material thickness</b>	0.55mm ±0.05
<b>Cable diameter</b>	7.6mm ±0.5
<b>Conductor material</b>	SOLID-Bare Copper
<b>Conductor size</b>	23 AWG (0.59mm ±0.005)
<b>Insulation material</b>	Skin-foam-skin PE
<b>Color code</b>	According to TIA/EIA 568-B
<b>Rip cord</b>	Yes
<b>Inner Screening Material</b>	Al/Mylar
<b>Outer Screening Material (Braid)</b>	Tinned Copper
<b>Braid Cover</b>	35%
<b>Total Number Conductors</b>	8

### Sheath Printing

PAMIX 1000 Cat 7A / Class FA S/FTP 4P AWG23 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>.

## Electrical Characteristics at 20°C

Impedance ( $\Omega$ ) 100  $\pm$ 15 @ 1.0 – 100.0 MHz

Impedance ( $\Omega$ ) 100  $\pm$ 18 @ 100.0 – 250.0 MHz

Impedance ( $\Omega$ ) 100  $\pm$ 25 @ 250.0 – 1000.0 MHz

Delay Skew (ns/100m)  $\leq$  25

Propagation Velocity 78%

Unbalanced to ground capacitance (pf/100m) 330 max

DC Resistance 60  $\Omega$ /km @ 20°C°

DC Conductor Resistance Unbalance (%) 2.0 max

## Standards

### Generic cabling and cabling components standards - Category 7A cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2020 (Ed. 3.0)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-9-1:2012

### Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
- IEC 60754-2:2019 (Ed. 2.1)
- IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)

## Ordering Information

Cable Description.	Sheath Color	Article No.
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Blue	1001251
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Red	1001252
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Grey	1001253
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Green	1001254
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Yellow	1001255
- Data Cable 1000 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Orange	1001256