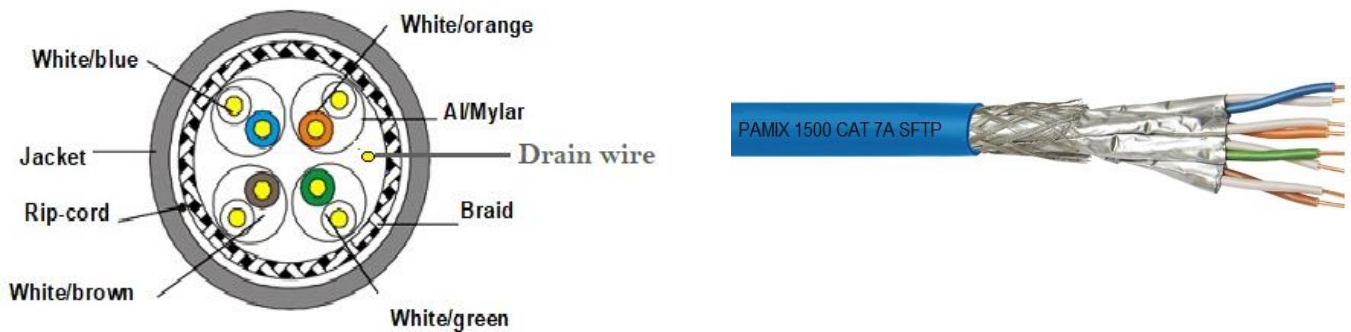


Data Cable 1500 Cat 7A / Class FA S/FTP AWG22, 4Pairs Cable, FR/LSZH



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.

Outer Jacket material	FR-LSZH (Complies R0HS)
Outer Jacket material thickness	0.55mm ±0.05
Cable Diameter	8.2mm ±0.5
Conductor material	SOLID-Bare Copper
Conductor size	22 AWG (0.64mm ±0.005)
Insulation material	Skin-foam-skin PE
Color code	According to TIA/EIA 568-B
Rip cord	Yes
Inner Screening Material	Al/Mylar
Outer Screening Material (Braid)	Tinned Copper
Braid Covering %	35%
Reaction to fire	Dca,s2,d2,a1classes
Total Number Conductors	8

Sheath Printing

PAMIX 1500 Cat 7A / Class FA S/FTP 4P AWG22 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>.

Electrical Characteristics at 20°C

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

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

Impedance (Ω) 100 \pm 25 @ 250.0 – 600.0 MHz

Impedance (Ω) 100 \pm 30 @ 600.0 – 1000.0 MHz

Delay Skew (ns/100m) \leq 25

Propagation Velocity 78%

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

DC Resistance 55.0 Ω /km @ 20C°

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 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Blue	1001261
- Data Cable 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Red	1001262
- Data Cable 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Grey	1001263
- Data Cable 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Green	1001264
- Data Cable 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Yellow	1001265
- Data Cable 1500 Cat 7A / Class FA S/FTP FRNC/LSZH 4P	Orange	1001266