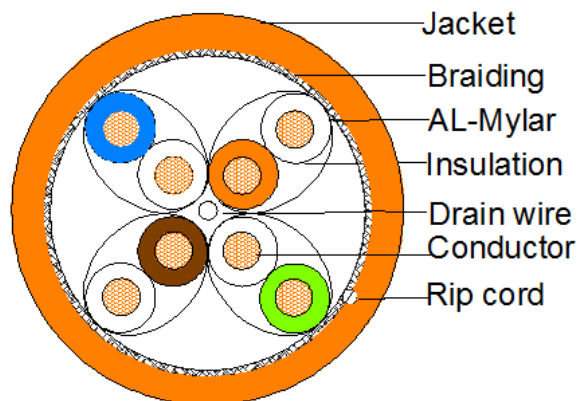


Data Cable 565 Cat 6A/ Class EA S/FTP AWG23, 4Pairs, FRNC/LSZH Sheath



Applications

Data cable for horizontal cables and Building backbones. Suitable for transmission voice, video and data. Applicable for all ICT network applications up to 500 MHz frequency. Support Power over Ethernet POE/POE+.

General Construction

Cat.6A data cable – Compliant with the standards ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-10-1. Good shielding effect due to individually screened pairs. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Outer Jacket material	FRNC-LSZH (complies RoHS).
Outer Jacket material thickness	0.5mm ±0.05
Cable Diameter	6.9mm ±0.5
Conductor material	SOLID-Bare Copper
Conductor size	23 AWG (0.55mm ±0.005)
Insulation Material	Skin-foam-skin PE
Insulation Material Diameter	1.28 ±0.05
Color code	According to TIA/EIA 568-B
Inner Screening Material	Al/Mylar
Outer Screening Material	Tinned Copper
Braid Cover %	35%
Drain Wire	0.45mm
Rip cord	Yes
Total Number Conductors	8

Sheath Printing

PAMIX 565 CAT6A / Class EA S/FTP 4P AWG23 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>

Electrical Characteristics at 20°C

Impedance (Ω) 100 ± 15 @ 1.0 – 250.0 MHz

Impedance (Ω) 100 ± 22 @ 250.0 – 500.0 MHz

Delay Skew (ns/100m) ≤ 45 @ 1.0 – 500.00 MHz

Propagation delay (NVP) 78%

Unbalanced to ground capacitance (pf/100m) 1600 max

DC Resistance 73 Ω /km @ 20°C

DC Conductor Resistance Unbalance (%) 2.0 max

Standards

Generic cabling and cabling components standards

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2012 (Ed. 2.1)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-4-1:2013
- TIA-568-2-D:2018

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 61034-2:2013 (Ed. 3.2)

Ordering Information

Cable Description	Sheath Color	Article No.
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Blue	1001161
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Red	1001162
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Grey	1001163
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Green	1001164
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Yellow	1001165
- Data Cable 565 Cat 6A / Class EA S/FTP FRNC/LSZH 4P	Orange	1001166