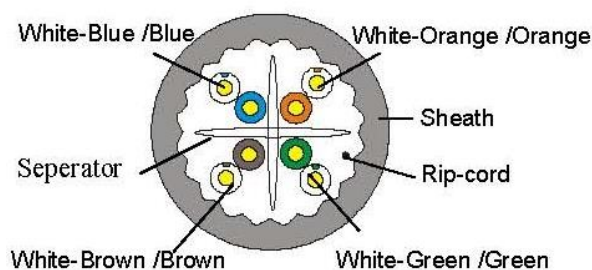


Data Cable 500 Cat 6A / Class EA U/UTP AWG23, 4Pairs, FRNC/LSZH Sheath



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.

General Construction

Cat.6A data cable – Compliant with the standards ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-10-1. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801. Support PoE up to 100 Watt.

Outer Jacket material	FRNC-LSZH (complies RoHS).
Outer Jacket material thickness	0.7mm ±0.05 (Average)
Cable Diameter	7.1mm ±0.4
Conductor material	SOLID-Bare Copper
Conductor size	23 AWG (0.57mm ±0.005)
Insulation Material	HDPE
Insulation Material Diameter	1.02 ±0.05
Color code	According to TIA/EIA 568-B
Rip cord	Yes
Total Number Conductors	8

Sheath Printing

PAMIX 500 CAT6A U/UTP 4P AWG23 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>

Electrical Characteristics at 20°C

Impedance (Ω) 100 \pm 15 @ 1.0 – 250.0 MHz

Impedance (Ω) 100 \pm 22 @ 250.0 – 500.0 MHz

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

Propagation Velocity (NVP) 68%

DC Resistance 68 Ω /km @ 20C°

DC Conductor Resistance Unbalance (%) 5.0 max

Standards

Generic cabling and cabling components standards

- ISO/IEC 11801/ ISO/IEC 11801
- IEC 61156-5:2012 (Ed. 2.1)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-11-1
- TIA-568-C.2

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 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Blue	1001111
- Data Cable 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Red	1001112
- Data Cable 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Grey	1001113
- Data Cable 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Green	1001114
- Data Cable 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Yellow	1001115
- Data Cable 500 Cat 6A / Class EA U/UTP FRNC/LSZH 4P	Orange	1001116