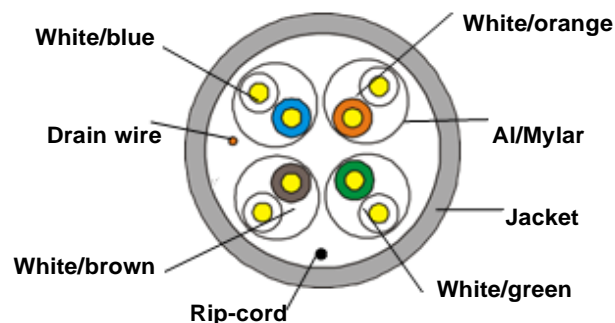


## Data Cable 520 Cat 6A / Class EA U/FTP AWG23, 4Pairs, FRNC/LSZH Sheath



### 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.

<b>Outer Jacket material</b>	FRNC-LSZH (complies RoHS).
<b>Outer Jacket material thickness</b>	0.55mm ±0.05
<b>Cable Diameter</b>	7.3mm ±0.5
<b>Conductor material</b>	SOLID-Bare Copper
<b>Conductor size</b>	23 AWG (0.56mm ±0.005)
<b>Insulation Material</b>	Skin-foam-skin PE
<b>Color code</b>	According to TIA/EIA 568-B
<b>Shielding Material</b>	Al/Mylar
<b>Drain Wire</b>	0.45mm
<b>Rip cord</b>	Yes
<b>Total Number Conductors</b>	8

### Sheath Printing

PAMIX 520 CAT6A / Class EA U/FTP 4P AWG23 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>

## Electrical Characteristics at 20°C

Impedance ( $\Omega$ )  $100 \pm 15 @ 1.0 - 250.0$  MHz

Impedance ( $\Omega$ )  $100 \pm 22 @ 250.0 - 500.0$  MHz

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

Propagation Velocity (NVP) 78%

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

DC Resistance 70  $\Omega$ /km @ 20°C

DC Conductor Resistance Unbalance (%) 5.0 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 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Blue	1001151
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Red	1001152
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Grey	1001153
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Green	1001154
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Yellow	1001155
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Orange	1001156
- Data Cable 520 Cat 6A Class EA U/FTP FRNC/LSZH 4P	Purple	1001157