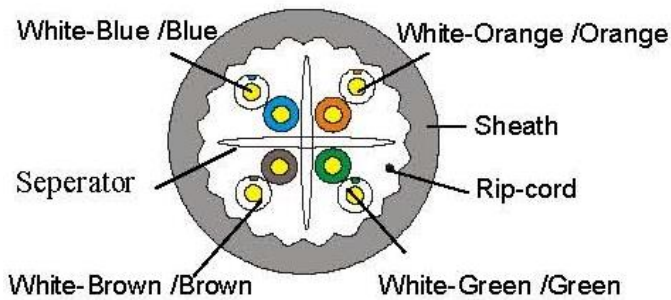


Data Cable 504 Cat 6A / Class EA U/UTP AWG23, 4Pairs, FRNC/PVC Sheath



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, 10G bps.

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	PVC (Complies with 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 504 CAT6A U/UTP 4P AWG23 FR/PVC <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 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

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)

Ordering Information

Cable Description	Sheath Color	Article No.
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Blue	1001101
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Red	1001102
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Grey	1001103
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Green	1001104
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Yellow	1001105
- Data Cable 504 Cat 6A / Class EA U/UTP FR/PVC 4P	Orange	1001106