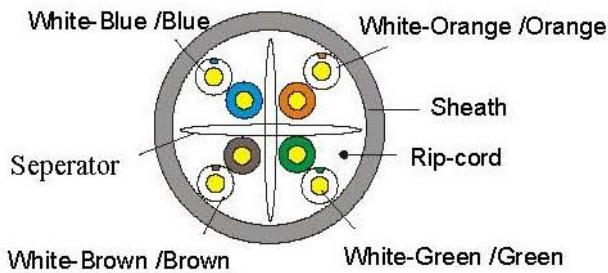


Data Cable 250 Cat 6 / Class E U/UTP AWG24, 4Pairs, FR/PVC Sheath



Applications

Data cable for horizontal cables and Building backbones. Suitable for transmission voice, video and data. Applicable for all ICT network applications up to 250 MHz frequency.

General Construction

Cat.6 data cable – Compliant with the standards ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-6-1. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801. Support IEEE 802.3bt 100 Watt.

Outer Jacket material	FR-PVC (complies RoHS).
Outer Jacket material thickness	0.5mm ±0.05 (Average)
Cable Diameter	5.4mm ±0.4
Conductor material	SOLID-Bare Copper
Conductor size	24 AWG (0.51mm ±0.01)
Insulation Material	HDPE
Insulation Material Diameter	0.89 ±0.05
Color code	According to TIA/EIA 568-B
Rip cord	Yes
Total Number Conductors	8

Sheath Printing

PAMIX 250 CAT 6 / Class E U/UTP 4P AWG24 FR/PVC <Product No.> <meter numbering>m <Patch No.>

Electrical Characteristics at 20°C

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

Delay Skew (ns/100m) ≤ 45 @ 1.0 – 250.0 MHz

DC Resistance 78 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
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-6-1
- TIA-568-C.2
- IEEE 802.3bt Type 4 (100W)

Standards for flammability, halogen acidity, and smoke performance

- 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 250 Cat 6 / Class E U/UTP FR/PVC 4P	Blue	1001051
- Data Cable 250 Cat 6 / Class E U/UTP FR/PVC 4P	Red	1001052
- Data Cable 250 Cat 6 / Class E U/UTP FR/PVC 4P	Grey	1001053
- Data Cable 250 Cat 6 / Class E U/UTP FR/PVC 4P	Green	1001054
- Data Cable 250 Cat 6 / Class E U/UTP FR/PVC 4P	Yellow	1001055
- Data Cable 250 Cat 6 / Class E U/UTP FR/PVC 4P	Orange	1001056