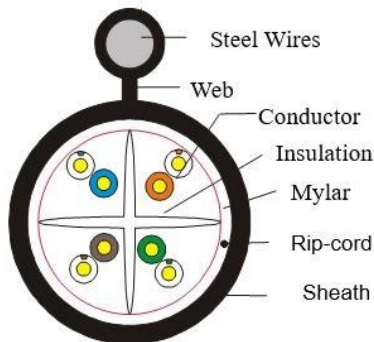


Aerial Data Cable 280 Cat 6 / Class E U/UTP AWG24, 4Pairs, LDPE Sheath, Outdoor, Steel wire



Applications

Aerial data cable usually used to connect IP based devices when it's required to lay cable directly in air. Its outdoor, water proof, UV proof, steel messenger will protect the cable from being damaged due to its weight. It's widely used in CCTV application and campus environments. 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	LDPE (complies RoHS).
Outer Jacket material thickness	0.55mm ±0.05 (Average)
Cable Diameter	6.1mm / 2.6mm ±0.5
Conductor material	SOLID-Bare Copper
Conductor size	24 AWG (0.53mm ±0.005)
Insulation Material	HDPE
Insulation Material Diameter	0.93 ±0.08
Color code	According to TIA/EIA 568-B
Rip cord	Yes
Steel Wire	1.2mm
Total Number Conductors	8

Sheath Printing

PAMIX 280 CAT 6 / Class E Aerial U/UTP 4P AWG24 LDPE Outdoor <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 9.5 Ω /100m @ 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)

Ordering Information

Cable Description	Sheath Color	Packing (meter)	Article No.
- PAMIX Aerial Data Cable 280 Cat 6 / Class E U/UTP 4P AWG24 LDPE Outdoor	Black	305m	1001094
- PAMIX Aerial Data Cable 280 Cat 6 / Class E U/UTP 4P AWG24 LDPE Outdoor	Black	500m	1001095