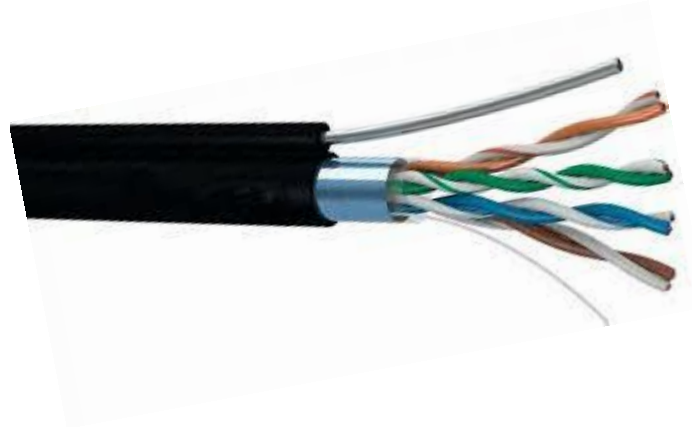
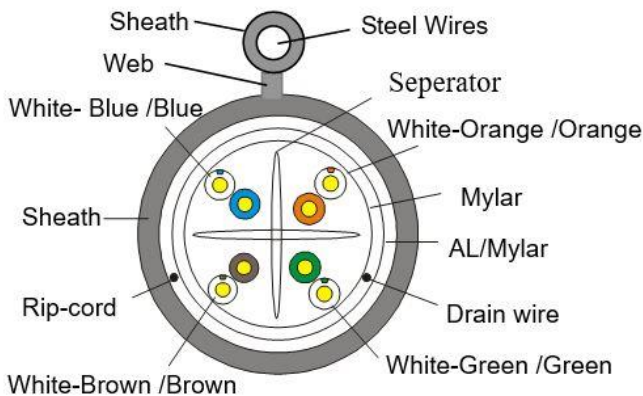


## Aerial Data Cable 290 Cat 6 / Class E F/UTP AWG24, 4Pairs, LDPE Sheath, Outdoor, Steel wire



### 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.

<b>Outer Jacket material</b>	LDPE (complies RoHS).
<b>Outer Jacket material thickness</b>	0.55mm ±0.1 (Average)
<b>Cable Diameter</b>	6.9mm / 2.6mm ±1.0
<b>Conductor material</b>	Solid Bare Copper
<b>Conductor size</b>	24 AWG (0.52mm ±0.005)
<b>Insulation Material</b>	HDPE
<b>Insulation Material Diameter</b>	1.05 ±0.1
<b>Screening Material</b>	Maylar, Al/Maylar
<b>Color code</b>	According to TIA/EIA 568-B
<b>Rip cord</b>	Yes
<b>Drain Wire</b>	Yes
<b>Steel Wire</b>	1.2mm
<b>Total Number Conductors</b>	8

### Sheath Printing

PAMIX 290 CAT 6 / Class E Aerial F/UTP 4P AWG24 LDPE Outdoor <Product No.> <meter numbering>m  
<Patch No.>

## Electrical Characteristics at 20°C

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

Delay Skew (ns/100m)  $\leq 45 @ 1.0 - 250.0$  MHz

DC Resistance  $9.5 \Omega/100m @ 20C^\circ$

DC Conductor Resistance Unbalance (%) 5.0 max

330 pf/100m maximum unbalance to ground capacitance

## 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 290 Cat 6 / Class E F/UTP 4P AWG23 LDPE Outdoor	Black	305m	1001060
-	PAMIX Aerial Data Cable 290 Cat 6 / Class E F/UTP 4P AWG23 LDPE Outdoor	Black	500m	1001061