

## Outdoor PVC Data Cable 225 Cat 6 / Class E S/FTP AWG23, 4Pairs



### Applications

Data cable for outdoor applications. For the transmission of digital and analogue voice, video and data signals. Suitable for all ICT network applications up to class E applications (250 MHz). Support Power over Ethernet applications.

### General Construction

Cat.6 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-6-1. Excellent shielding effect due to individually screened pairs and overall braid screening. LDPE outer jacket. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

<b>Outer Jacket material</b>	PVC (Complies ROHS), UV Resistance
<b>Outer Jacket Material Thickness</b>	0.5mm ±0.05
<b>Cable Diameter</b>	6.9mm ±0.5
<b>Outer Jacket color</b>	Black
<b>Conductor material</b>	SOLID-Bare Copper
<b>Conductor size</b>	23 AWG (0.55mm ±0.005)
<b>Insulation Diameter</b>	1.28mm ±0.05
<b>Insulation Material</b>	Skin-foam-skin PE
<b>Color code</b>	According to TIA/EIA 568.2-D
<b>Rip Cord</b>	Yes
<b>Inner Screening Material</b>	Al/Mylar
<b>Outer Screening Material (Braid)</b>	Tinned Copper
<b>Total Number Conductors</b>	8

### Sheath Printing

PAMIX Outdoor PVC 225 CAT6 / Class E S/FTP 4P AWG23 PVC <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)  $\leq 45$

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

DC Resistance  $9.38 \Omega/100m$  @ 20C°

DC Conductor Resistance Unbalance (%) 5.0 max

## Standards

### Generic cabling and cabling components standards - Category 7 cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2020 (Ed. 3.0)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-6-1:2013

## Ordering Information

Cable Description	Sheath Color	Article No.
Data Cable 225 Cat 6 / Class E S/FTP PVC Outdoor	Black	1001091

\* Other colors on request.