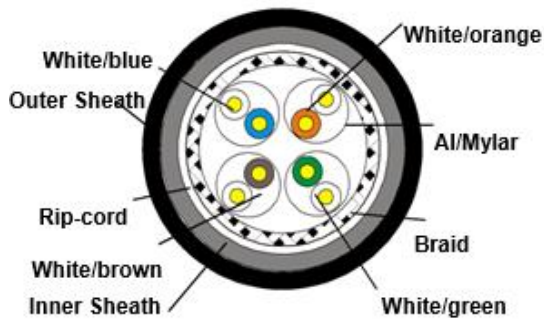


Outdoor Data Cable 670 Cat 7 / Class F S/FTP AWG23, 4Pairs



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 F applications (600 MHz). Support Power over Ethernet POE/POE+.

General Construction

Cat.7 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1. Excellent shielding effect due to individually screened pairs and overall braid screening. Double jacket cable with LDPE outer sheath. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Outer Jacket material	LDPE (Complies ROHS)
Outer Jacket Material Thickness	0.6mm ±0.05
Cable Diameter	8.8mm ±0.5
Outer Jacket color	Black
Inner Sheath Material	PVC
Inner Sheath Thickness	0.55mm ±0.05
Conductor material	SOLID-Bare Copper
Conductor size	23 AWG (0.58mm ±0.005)
Insulation Material	Skin-foam-skin PE
Color code	According to TIA/EIA 568-B
Rip Cord	Yes
Inner Screening Material	Al/Mylar
Outer Screening Material (Braid)	Tinned Copper
Braid Covering %	35%
Total Number Conductors	8

Sheath Printing

PAMIX Outdoor 670 CAT7 / Class F S/FTP 4P AWG23 PE <Product No. > <meter numbering >m <Patch No. >.

Electrical Characteristics at 20°C

Impedance (Ω) $100 \pm 15 @ 1.0 - 100.0$ MHz

Impedance (Ω) $100 \pm 18 @ 100.0 - 250.0$ MHz

Impedance (Ω) $100 \pm 25 @ 250.0 - 600.0$ MHz

Delay Skew (ns/100m) ≤ 25

Propagation Velocity 78%

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

DC Resistance $64 \Omega/\text{km} @ 20\text{C}^\circ$

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 50288-4-1:2013

Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
- IEC 60754-2:2011 (Ed. 2.0)

Ordering Information

Cable Description	Sheath Color	Article No.
- Data Cable 670 Cat 7 / Class F S/FTP Outdoor	Black	1001221