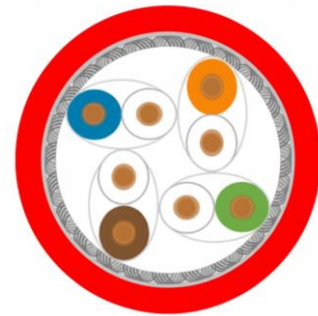


## Data Cable 650 Cat 7 / Class F S/FTP AWG22, 4Pairs, EN50200 PH120



### Applications

Fire resistance structured promises cabling for the transmission of digital and analogue voice, video and data signals. It's specially designed for high security areas and places where assets and people must be protected against fire. Suitable for all ICT network applications up to class F applications (600 MHz). Support Power over Ethernet.

### General Construction

Cat.7 data cable - exceed the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173 and EN 50288-4-1. Excellent shielding effect due to individually screened pairs and overall braid screening.

<b>Outer Jacket Material</b>	LSZH
<b>Fire Barrier</b>	Over all mica glass tape
<b>Insulation</b>	PE foam & fire barrier in mica glass for each insulated wire
<b>Fire resistance</b>	PH120 EN 50200 (120min @ 840°C)
<b>Cable Diameter</b>	10.0mm ±0.5
<b>Conductor Material</b>	Solid annealed copper -Bare Copper
<b>Conductor Size</b>	AWG 22 / 1
<b>Insulation Material</b>	Foam PE
<b>Color Code</b>	According to TIA/EIA 568-B
<b>Drain Wire</b>	Tinned Copper 0.4mm AWG26
<b>Inner Screening Material</b>	Al/Mylar
<b>Outer Screening Material (Braid)</b>	Tinned Copper
<b>Braid Cover %</b>	53.3%
<b>Total Number Conductors</b>	8
<b>Application</b>	Indoor
<b>Operating Temperature</b>	-20°C to 60°C
<b>Pending Radius</b>	8 x D

## Sheath Printing

PAMIX 650 Cat7 / Class F S/FTP 4P AWG22 LSZH PH120 EN50200 <Product No.> <meter numbering>m <Patch No.>.

## Electrical Characteristics at 20°C

Impedance ( $\Omega$ ) 100  $\pm$ 5 @ 1.0 – 100.0 MHz

Propagation Velocity 78%

Unbalanced capacitance (1200pf/ km

DC Resistance  $\leq$  60  $\Omega$ /km @ 20C°

DC Conductor Resistance Unbalance (%) 2.0 max

Insulation Resistance  $\geq$  5000 M $\Omega$ .km

## 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 60754-2:2019 (Ed. 2.1)
- IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)
- EN 50200 PH120

## Ordering Information

Cable Description	Sheath Color	Article No.
- Data Cable 650 Cat 7 / Class F S/FTP LSZH 4P PH120	Red	1001225
- Data Cable 650 Cat 7 / Class F S/FTP LSZH 4P PH120	Orange	1001226