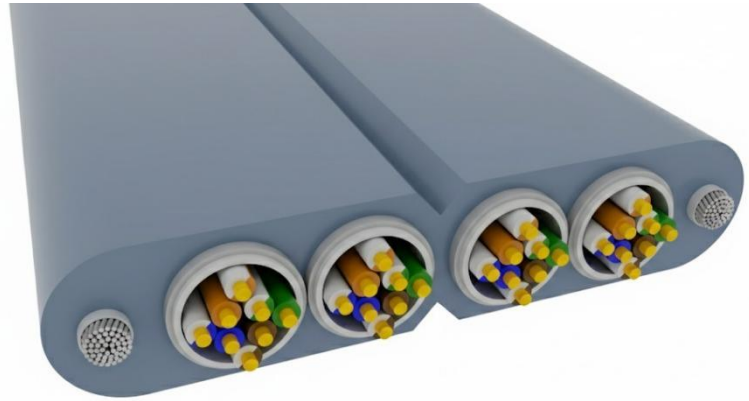


## **SBM540 Elevator Flat Data Cable Cat 6A/ Class EA S/FTP AWG26, 4Pairs, PVC**



### **Applications**

PAMIX flat elevator cable is specially designed for elevators. It's manufactured for transmission of voice, video and data signals while the elevator room is travelling. PAMIX elevator flat data cable is standardized on Cat 6A SFTP cable construction, support 500 MHz frequency (10Gbps), supporting Power over Ethernet (PoE) devices that can be installed inside the elevator room. Thanks to PAMIX flex design and two steel supporting members.

### **General Construction**

PAMIX Cat.6A elevator data cable compliant with the standards ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-10-1. Good shielding effect due to individually screened pairs and overall tinned copper braid. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

<b>Outer Jacket material</b>	PVC (Elastic material for elevator)
<b>Data Cable Outer Jacket</b>	LSZH, Green color RAL 6027, EN 50290-2-27
<b>Data Cable Pairs</b>	4 X 4 twisted PAIRS
<b>Cable Diameter</b>	Ø6,4mm, 70°C
<b>Conductor material</b>	Stranded Tinned Copper
<b>Conductor size</b>	Ø 26/7 AWG
<b>Insulation Material</b>	Skin-foam-skin PE
<b>Color code</b>	According to TIA/EIA 568-B (Orange-white, Orange), (Green-white, Green), (Blue-white, Blue), Brown-white, Brown)
<b>Inner Screening Material</b>	Al/PET foil
<b>Outer Screening Material</b>	65% cover, Tinned Copper braid wires
<b>Support members</b>	2 Galvanized steel robes, 2.5mm each
<b>Outer Jacket Color</b>	Grey
<b>Over all Dimension</b>	42.8±2 mm x 9.8±1.0mm
<b>Operating Temperature</b>	-15 to 75 °C

## Sheath Printing

PAMIX SBM540 ELEVATOR CABLE 4 X CAT6A / Class EA S/FTP 4P AWG26 <Product No.> <meter numbering>m <Patch No.>

## Electrical Characteristics at 20°C

Impedance ( $\Omega$ ) 100  $\pm$ 5 @ 100 MHz

Mutual Capacitance 48 pF/m nominal

Delay Skew 25  $\leq$  ns/100m

Propagation delay (NVP) 78-80%

Unbalanced to ground capacitance (pf/100m) 1600 max

DC Resistance 135  $\Omega$ /km two way @ 20C° maximum

Characteristic Impedance 100  $\pm$  5  $\Omega$  @ 100 C°

DC Conductor Resistance Unbalance (%) 2.0 max

Testing Voltage 1000 V

Operating Voltage 72 V maximum

Insulation resistance 5000 M $\Omega$  / m

## Mechanical Characteristics

Working Speed	4.0 m/s maximum
Free suspending Length	48.0 meter maximum
Travelling Length	80.00 meter maximum
Supporting members	2 steel ropes
Tensile Strength	$\geq$ 10 N maximum
Sheath Elongation	$\geq$ 300%
Rated Voltage	300V

## Standards

### Generic cabling and cabling components standards

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2012 (Ed. 2.1)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-4-1:2013
- TIA-568-2-D:2018



**Standards for flammability, halogen acidity, and smoke performance**

- IEC 60332-1-2
- EN 50214

LVD Low Voltage Directive 2014/35/EC  
RoHS EC Directive 2015/863/EU

**Ordering Information**

Cable Description	Article No.
- SBM520 Elevator Flat Data Cable 3 x Cat 6A / Class EA S/FTP	4601164