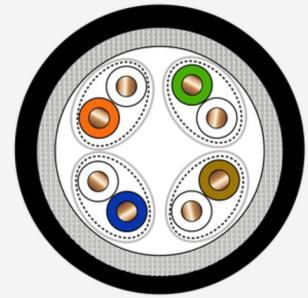


## Data Outdoor Cable, Cat7A, S/FTP, 23AWG, PE - FC7ASFEB



### DESCRIPTION

FABNET Category 7A S/FTP Outdoor UV resistant, black PE Outer Jacket cables are suitable for harsh conditions for external applications. It is used to transport digital, analog voice, data, video and POE signals. Cat7A cable provides transmission performance in the 1-1000MHz range as per IEC 61156-5 and is tested up to 1.2GHz for reference and that carries Outer Jacket production with HFFR or different features is carried out according to customer demand.

### APPLICATIONS

- Supports Category 7A networks up to 1000MHz
- 100BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE)- IEEE 802.3bt Type 1 to 4
- Indoor/Outdoor - Outdoor Ethernet Application.

### SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568-D.2, ISO 11801
- Cable jacket UV-stabilized outdoor-rated PE material
- 23AWG premium grade copper conductor
- Fully shielded construction ensures virtually zero cross talk

### MECHANICAL & PHYSICAL PROPERTIES

<b>Basic Conductor</b>	Solid Bare Copper	<b>Category</b>	CAT 7A S/FTP
<b>Conductor Size</b>	23 AWG	<b>Pulling Force</b>	60 N / mm <sup>2</sup> max
<b>Insulation</b>	Polyolefin	<b>Short Term Bend Radius</b>	4xOD mm
<b>Number of Insulated Conductors</b>	8, twisted in 4 pairs	<b>Long Term Bend Radius</b>	8xOD mm
<b>Color Code of Pairs</b>	Blue x White/Blue, Orange x White/ Orange, Green x White/Green, Brown x White/ Brown	<b>Operating Temperature</b>	-40 to +80C
<b>Outer Jacket</b>	PE	<b>Installation Temperature</b>	-10 to +60C
<b>Jacket Color</b>	Black	<b>Storage Temperature</b>	-40 to +80C
<b>Overall Outer Shield</b>	Tinned Copper Braid	<b>Individual shield</b>	Aluminum Foil Tape

## ELECTRICAL SPECIFICATIONS

<b>Characteristic Impedance</b>	100±6 Ohm @ 1-1000 MHz
<b>DC Resistance</b>	76 Ohm/km max.
<b>Resistance unbalance</b>	2% max
<b>Capacitance</b>	45 pF/m nom. @ 1 KHz
<b>Cap. Unbalance (wire to ground)</b>	1600 pF/Km max. @ 1 KHz
<b>Voltage rating</b>	72 Vdc max.
<b>Dielectric strength</b>	1500 Volt / 1 minute min. rms
<b>Velocity of Propagation (NVP)</b>	Min. %77 - 80
<b>Propagation delay</b>	534 + 36/f½@ 1-1000 MHz
<b>Propagation Delay Skew</b>	25 nS/100m max @ 1-1000 MHz
<b>Insulation Resistance</b>	5000 MegaOhm·Km min. @ 500 Vdc
<b>Coupling attenuation</b>	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-1000 MHz

## PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
305	7.4±0.3	BOX
500	7.4±0.3	REEL

## ORDERING INFORMATION

FC7ASFEB-AT	Data Outdoor Cable, Cat7A, S/FTP, 23AWG, PE, Black, 305 Mtr
FC7ASFEB-AF	Data Outdoor Cable, Cat7A, S/FTP, 23AWG, PE, Black, 500 Mtr