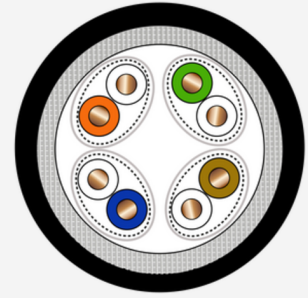
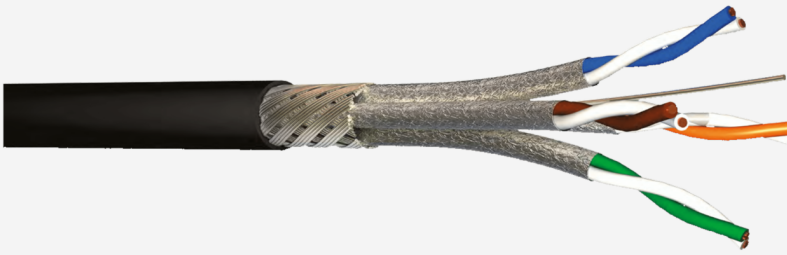


## Data Outdoor Cable, Cat6A, S/FTP, 23AWG, PE - FC6ASFEB



### DESCRIPTION

FABNET Category 6A 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. This cables deliver data rates of 10 Gbps/s at 500 MHz It is the type of cable that carries Outer Jacket production with HFFR or different features is carried out according to customer demand.

### APPLICATIONS

- Supports category 6A (Class EA) networks running up to 500MHz applications.
- 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-568.2-D and ISO 11801 Category 6A standards.
- 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 6A S/FTP
<b>Conductor Size</b>	23 AWG	<b>Pulling Force</b>	60 N
<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 @ 1-500 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>	1.7 KV A.C/2 Seconds
<b>Velocity of Propagation (NVP)</b>	Min. %78 - 80
<b>Propagation delay</b>	534 + 36/f½ nS/100m max @ 1-500 MHz
<b>Propagation Delay Skew</b>	45 nS/100m max @ 1-500 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) @100-500 MHz

## PACKING DETAILS

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

## ORDERING INFORMATION

FC6ASFEB-AT	Data Outdoor Cable, Cat6A, S/FTP, 23AWG, PE, Black, 305 Mtr
FC6ASFEB-AF	Data Outdoor Cable, Cat6A, S/FTP, 23AWG, PE, Black, 500 Mtr