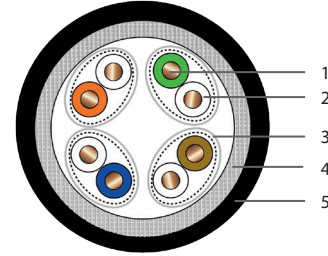


## CAT 6 S-FTP 23 AWG OUTDOOR DATA CABLE



WHERE IT IS USED/ FEATURES	CABLE STRUCTURE
<p>ERAT CAT 6 Outdoor UV resistant, black PE sheathed cables, external Suitable for applications in severe conditions. Digital, analog voice, data, video and POE It is used to carry signals.</p> <p>ERAT CAT 6 S/FTP cables are a type of cable that carries data at 250 MHz and 1 Gbps/sec. Outer sheath production with HFFR or different features according to customer demand is being done.</p> <ul style="list-style-type: none"> <li>• 1000BASE-TX Gigabit Ethernet</li> <li>• 1000BASE-T Gigabit Ethernet</li> <li>• ATM 155 / ATM 25</li> <li>• 100BASE-T "Fast Ethernet"</li> <li>• 100BASE-T2/ 100BASE-T4</li> <li>• 100BASE-TX</li> <li>• 10BASE-T Ethernet</li> <li>• ISDN, TPDDI, TP-PMD</li> <li>• Power Over Ethernet (PoE)</li> </ul>	<ol style="list-style-type: none"> <li>1. Copper Conductor</li> <li>2. PE Insulation</li> <li>3. Aluminium Foil</li> <li>4. Tinned Copper Braid</li> <li>5. Outer Jacket</li> </ol>

### PHYSICAL PROPERTIES

<b>Conductive</b>	Solid, annealed copper
<b>Conductor Diameter</b>	23 AWG
<b>Insulation</b>	Polyolefin
<b>Number of Insulated Conductors</b>	8, twisted in 4 pairs
<b>Copper Braid</b>	Tinned Copper Braid
<b>Individual Pair Shield</b>	Laminated aluminum foil providing 100% coverage (the foil face is turned outwards)
<b>Outer Jacket</b>	Resistant to outdoor conditions, fully compatible with PE Th and UV conditions
<b>Jacket Color</b>	Black. (Different colors can be produced according to customer demand.)
<b>Cable information the text</b>	Brand, Type of cable, Relevant standards, Date, Serial number, Meter

### MECHANICAL AND ENVIRONMENTAL PROPERTIES

<b>Pulling Force</b>	60 N / mm <sup>2</sup> max
<b>Bending Radius (Short Term)</b>	4 x Cable Diameter
<b>Bending Radius (Long Term)</b>	8 x Cable Diameter
<b>Operating Temperature</b>	-40 to +80 °C
<b>Installation Temperature</b>	-10 to +60 °C
<b>Storage Temperature</b>	-40 to +80 °C

## CAT 6 S-FTP 23 AWG OUTDOOR DATA CABLE

### PACKAGING & SIZE & WEIGHT


Packaging Type	Outer Diameter (mm)	Approximate Weight (kg)
500 m Plywood Reel	7.2±0.3	20
1000 m Plywood Reel	7.2±0.3	39

### ELECTRICAL SPECIFICATIONS

<b>Characteristic Impedance</b>	100±6 Ohm @ 1-250 MHz
<b>DC Resistance</b>	80 Ohm/km max.
<b>Resistance Unbalance</b>	2% max.
<b>Capacitance</b>	45 pF/m nom. @ 1 KHz
<b>Capacity Imbalance (Wire to ground)</b>	1600 pF/km max. @ 1 KHz.
<b>Voltage</b>	72 Vdc max.
<b>Dielectric Strength</b>	1.7 kV a.c. / 2 seconds
<b>Velocity of Propagation (NVP)</b>	Min. %67 - 69
<b>The Signal Transmission Time (Prop. Delay)</b>	534 + 36/f <sup>1/2</sup> nS/100m max @ 1-250 MHz
<b>Propagation Delay Skew</b>	45 nS/100m max @ 1-250 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) @100-250 MHz

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT Loss (dB)	PS NEXT Loss (dB)	ACRF (dB)
	Min.	Max.	Min.	Min.	Min.
1.00	19.1	1.9	65.0	62.0	64.2
4.00	21.0	3.5	64.1	61.8	52.1
8.00	21.0	5.0	59.4	57.0	46.1
10.00	21.0	5.5	57.8	55.5	44.2
16.00	20.0	7.0	54.6	52.2	40.1
20.00	19.5	7.9	53.1	50.7	38.2
25.00	19.0	8.9	51.5	49.1	36.2
31.25	18.5	10.0	50.0	47.5	34.3
62.50	16.0	14.4	45.1	42.7	28.3
100.00	14.0	18.6	41.8	39.3	24.2
200.00	11.0	27.4	36.9	34.3	18.2
250.00	10.0	31.1	35.3	32.7	16.2

### ISOLATED COLORS

							
Blue	White	Orange	White	Green	White	Brown	White