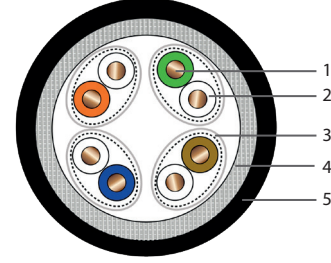


CAT 6A S-FTP 23 AWG OUTDOOR DATA CABLE



WHERE IT IS USED/ FEATURES

ERAT CAT 6A Dış Ortam (Outdoor) UV dayanıklı, siyah PE Outer Jacketlı kablolar, harici uygulamalar için ağır koşullara uygundur. Dijital, analog ses, veri, video ve POE sinyallerinin taşınmasında kullanılır.

ERAT CAT 6A S/FTP kabloları, 500 MHz hızında 10 Gbps/sn hızında veri taşıyan kablo türüdür. Müşteri talebine göre HFFR veya farklı özelliklerde Outer Jacket üretimleri yapılmaktadır.

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- ATM 155 / ATM 25
- 100BASE-T "Fast Ethernet"
- 100BASE-T2/ 100BASE-T4
- 100BASE-TX
- 10BASE-T Ethernet
- ISDN, TPDDI, TP-PMD
- Power Over Ethernet (PoE)

CABLE STRUCTURE

1. Copper Conductor
2. PE Insulation
3. Aluminium Foil
4. Tinned Copper Braid
5. Outer Jacket

PHYSICAL PROPERTIES

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

MECHANICAL AND ENVIRONMENTAL PROPERTIES

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

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PACKAGING & SIZE & WEIGHT		
Packaging Type	Outer Diameter (mm)	Approximate Weight (kg)
500 m Plywood Reel	7.4±0.3	25.8
1000 m Plywood Reel	7.4±0.3	51.2

ELECTRICAL SPECIFICATIONS	
Characteristic Impedance	100±6 Ohm @ 1-500 MHz
DC Resistance	76 Ohm/km max.
Resistance Unbalance	2% max.
Capacitance	45 pF/m nom. @ 1 KHz
Capacity Imbalance (Wire to ground)	1600 pF/km max. @ 1 KHz.
Voltage	72 Vdc max.
Dielectric Strength	1.7 kV a.c. / 2 seconds
Velocity of Propagation (NVP)	Min. %78 - 80
Propagation Delay Skew	45 nS/100m max @ 1-500 MHz
Insulation Resistance	5000 MegaOhm·km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 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	7.8	53.1	50.7	38.2
25.00	19.0	8.8	51.5	49.1	36.2
31.25	18.5	9.8	50.0	47.5	34.3
62.50	16.0	14.0	45.1	42.7	28.3
100.00	14.0	18.0	41.8	39.3	24.2
200.00	11.0	26.1	36.9	34.3	18.2
250.00	10.0	29.5	35.3	32.7	16.2
300.00	9.2	32.7	34.0	31.4	14.6
400.00	8.0	38.4	29.9	27.1	12.1
500.00	8.0	43.8	26.7	23.8	10.2

ISOLATED COLORS							
							
Blue	White	Orange	White	Green	White	Brown	White