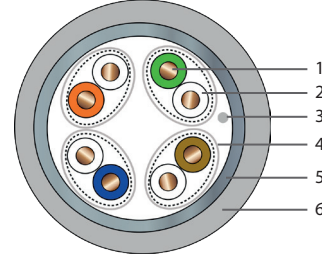


## CAT 6A F-FTP 23 AWG DATA CABLE



WHERE IT IS USED/ FEATURES	CABLE STRUCTURE
<p>ERAT CAT 6A kabloları dijital ve analog ses, veri ve video, POE sinyallerinin taşınmasında kullanılır</p> <p>ERAT CAT 6A F/FTP kabloları, 500 MHz hızında 10 Gbps/sn hızında veri taşıyan kablo türüdür. Müşteri taleplerine göre LSZH-HFFR ve PVC kılıflı olarak üretim yapılmaktadır.</p> <ul style="list-style-type: none"> <li>• 10000BASE-TX Gigabit Ethernet</li> <li>• 10000BASE-T Gigabit Ethernet</li> <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. Ground Wire</li> <li>4. Aluminium Foil</li> <li>5. Aluminium Foil</li> <li>6. 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>Ground Wire</b>	Solid, tin-coated annealed copper
<b>Individual Pair Shield</b>	Laminated aluminum foil providing 100% coverage (the foil face is turned outwards)
<b>Overall Inner Shield</b>	Laminated aluminum foil providing 100% coverage (foil face is introverted)
<b>Outer Jacket</b>	LSZH (Low Smoke Zero Halogen) flame retardant or PVC component
<b>Jacket Color</b>	Gray. (Ral 7040) (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>	50 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 +70 °C
<b>Installation Temperature</b>	-10 to +50 °C
<b>Storage Temperature</b>	-40 to +70 °C

# CAT 6A F-FTP 23 AWG DATA CABLE

PACKAGING & SIZE & WEIGHT		
Packaging Type	Outer Diameter (mm)	Approximate Weight (kg)
500 m Plywood Reel	7.6±0.3	29.8
1000 m Plywood Reel	7.6±0.3	59.2

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