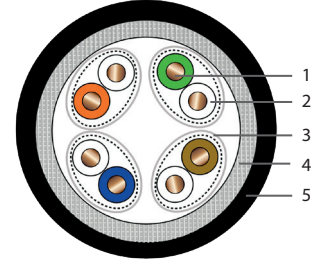


CAT 7 S-FTP 23 AWG 1000 MHZ OUTDOOR DATA CABLE



| WHERE IT IS USED/ FEATURES | | CABLE STRUCTURE |
|---|--|---|
| <p>ERAT CAT 7 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.</p> <p>ERAT CAT 7 S/FTP kabloları, 10000 Megabit 1000 MHz hızında veri taşıyan kablo türüdür. Müşteri talebine göre HFFR veya farklı özelliklerde Outer Jacket üretimleri yapılmaktadır.</p> <ul style="list-style-type: none"> • 10000BASE-TX Gigabit Ethernet • 10000BASE-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) | | <ol style="list-style-type: none"> 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 | |

CAT 7 S-FTP 23 AWG 1000 MHZ OUTDOOR DATA CABLE

PACKAGING & SIZE & WEIGHT

| Packaging Type | Outer Diameter (mm) | Approximate Weight (kg) |
|---------------------|---------------------|-------------------------|
| 500 m Plywood Reel | 7.4±0.3 | 26.3 |
| 1000 m Plywood Reel | 7.4±0.3 | 52.2 |

ELECTRICAL SPECIFICATIONS

| | |
|---|--|
| Characteristic Impedance | 100±6 Ohm @ 1-1000 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 | 1500 Volt / 1 dakika min. rms |
| Velocity of Propagation (NVP) | Min. %77 - 80 |
| The Signal Transmission Time (Prop. Delay) | 534 + 36/f ² @ 1-1000 MHz |
| Propagation Delay Skew | 25 nS/100m max @ 1-1000 MHz |
| Insulation Resistance | 5000 MegaOhm·km min. @ 500 Vdc |
| Coupling attenuation | 55 dB min @ 30-100 MHz 55-20Log(f/100) @100-1000 MHz |
| Transfer Impedance | 10 mOhm/m max @ 1-30 MHz 30 MOhm/m max @ 30-100 MHz |

| Frequency (MHz) | Return Loss (dB) | Insertion Loss (dB/100m) | NEXT Loss (dB) | PS NEXT Loss (dB) | PS ELFEXT (dB/100m) |
|-----------------|------------------|--------------------------|----------------|-------------------|---------------------|
| 1 | 20,0 | 2,0 | 78,0 | 75,0 | - |
| 4 | 23,0 | 3,7 | 78,0 | 75,0 | 75,0 |
| 8 | 24,5 | 5,2 | 78,0 | 75,0 | 72,9 |
| 10 | 25,0 | 5,9 | 78,0 | 75,0 | 71,0 |
| 16 | 25,0 | 7,4 | 78,0 | 75,0 | 66,9 |
| 20 | 25,0 | 8,3 | 78,0 | 75,0 | 65,0 |
| 25 | 24,3 | 9,3 | 78,0 | 75,0 | 63,0 |
| 31,25 | 23,6 | 10,4 | 78,0 | 75,0 | 61,1 |
| 62,5 | 21,5 | 14,9 | 75,5 | 72,5 | 55,1 |
| 100 | 20,1 | 19,0 | 72,4 | 69,4 | 51,0 |
| 200 | 18,0 | 27,5 | 67,9 | 64,9 | 45,0 |
| 250 | 17,3 | 31,0 | 66,4 | 63,4 | 43,0 |
| 300 | 17,3 | 34,2 | 65,2 | 62,2 | 41,5 |
| 400 | 17,3 | 40,0 | 63,4 | 60,4 | 39,0 |
| 500 | 17,3 | 45,3 | 61,9 | 58,9 | 37,0 |
| 600 | 17,3 | 50,1 | 60,7 | 57,7 | 35,4 |
| 700 | 17,3 | 54,6 | 59,7 | 56,7 | 34,1 |
| 800 | 17,3 | 58,9 | 58,9 | 55,9 | 32,9 |
| 1000 | 17,3 | 66,9 | 57,4 | 54,4 | 31,0 |

Values above 600 MHz are for reference

ISOLATED COLORS

