



## CAT-6 HFFR-S/FTP

4 X 2 X 23 AWG

### UYGULAMA ALANLARI

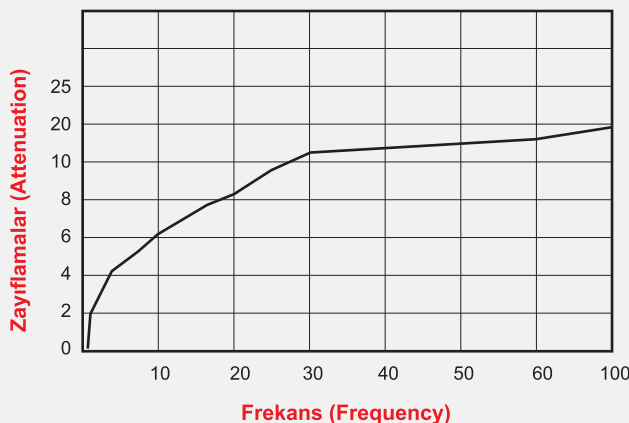
Bu kablolar bilgi iletişim sistemlerinde 300 Mbit/Sn hızına kadar analog ve dijital sinyal iletiminde kullanılır.

### KABLO YAPISI

|                         |   |
|-------------------------|---|
| <b>İletken</b>          | : Elektrolitik bakır iletken 23 AWG   |
| <b>İzolasyon</b>        | : Solid PE izolasyon  |
| <b>1. Ekran</b>         | : AL-PES bant ekran (%100 kapama)   |
| <b>2. Ekran</b>         | : Kalaylı bakır tel örgü (kapama %85)   |
| <b>Yalıtkan Renk</b>    | : Polietilen (IEC 61156-5)  |
| <b>Büküm</b>            | : İki damar birlikte bükülerek çiftleri, çiftler bir arada bükülerek kablo özü oluşturulur. |
| <b>Dış Kılıf</b>        | : Ø 6.50 mm HFFR turuncu  |
| <b>Kablo Dış Çapı</b>   | : Ø 6.50 mm.  |
| <b>Kablo Ağ.(kg/km)</b> | : 59 kg./km.  |

### TEKNİK ÖZELLİKLER

|                              |                           |
|------------------------------|---------------------------|
| <b>İletken Direnci</b>       | : (20 C Max.) 72.0 ohm/km |
| <b>Direnç Dengesizliği</b>   | : Max %5                  |
| <b>Çalışma Voltajı</b>       | : 250 V.                  |
| <b>Test Voltajı</b>          | : 1200 V.                 |
| <b>İzolasyon Direnci</b>     | : (20 C Min) 5000 Mohm/km |
| <b>Kapasite</b>              | : 56.0 nF/km              |
| <b>Kapasite Dengesizliği</b> | : 330 pF/100 mt.(Max.)    |
| <b>Empedans</b>              | : 100±15 ohm              |
| <b>Yayımlama Hızı</b>        | : %67                     |
| <b>Çalışma Sıcaklığı</b>     | : -20 C + 60 C            |
| <b>Bükülme Yarı Çapı</b>     | : 8 x kablo dış çapı      |
| <b>Alev Testi</b>            | : TS EN 50265             |



## VERİ İLETİŞİM KABLolari DATA TRANSMISSION CABLES

### APPLICATION

It is used in data communication networks in transmission of analog and digital signals up to 155 Mbit/sec.

### CONSTRUCTION

|                       |  |
|-----------------------|--|
| <b>Conductor</b>      | : Electrolytic copper conductor 24 AWG             |
| <b>Insulator</b>      | : Solid polyethylene insulation                    |
| <b>1. Screen</b>      | : Al-pes tape shielded (%100 coverage)             |
| <b>2. Screen</b>      | : Electrolytic copper braid (%85 coverage)         |
| <b>Colour Code</b>    | : PE (IEC 61156-5)                                 |
| <b>Stranding</b>      | : Cores twisted in pairs, pairs stranded together. |
| <b>Sheath</b>         | : Ø 6.50 mm HFFR orange                            |
| <b>Outer Diameter</b> | : Ø 6.50 mm.                                       |
| <b>Weight (kg/km)</b> | : 59 kg./km.                                       |

### TECHNICAL SPECIFICATIONS

|                             |                           |
|-----------------------------|---------------------------|
| <b>Conductor Resistance</b> | : (20 C Max.) 94.0 ohm/km |
| <b>Resistance Unbalance</b> | : Max %5                  |
| <b>Operating Voltage</b>    | : 250 V.                  |
| <b>Test Voltage</b>         | : 1200 V.                 |
| <b>Insulator Resistance</b> | : (20 C Min) 5000 Mohm/km |
| <b>Capacity</b>             | : 56.0 nF/km              |
| <b>Capacity Unbalance</b>   | : 330 pF/100 mt.(Max.)    |
| <b>Impedance</b>            | : 100±15 ohm              |
| <b>Velocity Ratio</b>       | : %67                     |
| <b>Temperature</b>          | : -20 C + 60 C            |
| <b>Bending Radius</b>       | : 8 x outer diameter      |
| <b>Flame Test</b>           | : TS EN 50265             |

### Zayıflamalar (20 C) / Attenuation :

|         |      |             |
|---------|------|-------------|
| 1 MHz   | 2.0  | dB / 100 mt |
| 4 MHz   | 3.8  | dB / 100 mt |
| 8 MHz   | 5.3  | dB / 100 mt |
| 10 MHz  | 6.0  | dB / 100 mt |
| 16 MHz  | 7.6  | dB / 100 mt |
| 20 MHz  | 8.5  | dB / 100 mt |
| 25 MHz  | 9.50 | dB / 100 mt |
| 30 MHz  | 10.7 | dB / 100 mt |
| 60 MHz  | 15.4 | dB / 100 mt |
| 100 MHz | 19.8 | dB / 100 mt |