



**Class A**



## RG 6 U/6 (Cu/Cu) Trishield PE

### Kullanım Alanları

CATV dağıtım kablosu ve düşük zayıflama istenen SMATV (uydu anten) sistemlerde bağlantı kablosu olarak kullanılır, harici ortamlarda kullanıma uygundur.

### Kablo Yapısı

<b>İç İletken</b>	Ø 1.02 mm Elektrolitik Bakır
<b>İzolasyon</b>	Ø 4.60 mm Fiziksel Köpüklü Skin/Foam/Skin PE
<b>1. Ekran</b>	Cu-Pet Folyo
<b>2. Ekran</b>	Tavlı Bakır Tellerden Örgü
<b>3. Ekran</b>	Cu-Pet Folyo
<b>Dış Kılıf</b>	Ø 6.80 mm PE

### Teknik Özellikler

<b>Kablo Ağırlığı</b>	42 kg/km
<b>Bakır Ağırlığı</b>	15.90 kg/km
<b>Min. Bük. Yarı Çapı</b>	30 mm
<b>Maks. Gergi Kuvveti</b>	120 N
<b>Çalışma Sıcaklığı</b>	-30 °C ... +70 °C
<b>Ambalaj</b>	100 / 300 / 500 m

### Elektriksel Özellikler

<b>Empedans</b>	75 ± 2 Ω
<b>Kapasitans</b>	53 ± 2 pF/m
<b>Yayıma Hızı</b>	% 84
<b>Yalıtım Direnci</b>	> 2 GΩxkm
<b>Çalışma Voltajı</b>	1300 V
<b>Test Voltajı</b>	3000 V
<b>İç İletken Direnci</b>	< 22.10 Ω/km

### Zayıflamalar (20°C)

<b>5 MHz</b>	1.70 dB/100m
<b>50 MHz</b>	4.50 dB/100m
<b>230 MHz</b>	9.25 dB/100m
<b>470 MHz</b>	14.40 dB/100m
<b>860 MHz</b>	19.40 dB/100m
<b>1000 MHz</b>	21.20 dB/100m
<b>1200 MHz</b>	22.90 dB/100m
<b>2150 MHz</b>	32.00 dB/100m
<b>3000 MHz</b>	39.05 dB/100m

### Geri Dönüş Kaybı (20°C)

<b>5-470 MHz</b>	> 26 dB
<b>470-1200 MHz</b>	> 23 dB
<b>1200-2000 MHz</b>	> 20 dB
<b>2000-3000 MHz</b>	> 18 dB

### Transfer Empedansı

<b>5-30 MHz</b>	≤ 5 mΩ/m
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### Ekranlama Zayıflaması

<b>30-1200 MHz</b>	≥ 85 dB
<b>1200-2000 MHz</b>	≥ 75 dB
<b>2000-3000 MHz</b>	≥ 65 dB

### Standartlar

<b>Ekranlama Sınıfı</b>	Class A
<b>EN 50117-2-4</b>	
<b>CPR Sınıfı</b>	F <sub>ca</sub>

### Application

These types of cables are used for outdoor CATV distributions and connections of SMATV systems which require low attenuations.

### Cable Construction

<b>Inner Conductor</b>	Ø 1.02 mm Bare Copper
<b>Insulation</b>	Ø 4.60 mm Gas Injected Skin/Foam/Skin PE
<b>1<sup>st</sup> Shielding</b>	Cu-Pet Foil
<b>2<sup>nd</sup> Shielding</b>	Annealed Copper Wire Braiding
<b>3<sup>rd</sup> Shielding</b>	Cu-Pet Foil
<b>Outer Sheath</b>	Ø 6.80 mm PE

### Technical Properties

<b>Cable Weight</b>	49 kg/km
<b>Copper Weight</b>	15.90 kg/km
<b>Min. Bending Radius</b>	30 mm
<b>Max. Tensile Strength</b>	120 N
<b>Temperature Range</b>	-30 °C ... +70 °C
<b>Packing</b>	100 / 300 / 500 m

### Electrical Properties

<b>Impedance</b>	75 ± 2 Ω
<b>Capacitance</b>	53 ± 2 pF/m
<b>Velocity of Propagation</b>	84 %
<b>Insulation Resistance</b>	> 2 GΩxkm
<b>Operating Voltage</b>	1300 V
<b>Test Voltage</b>	3000 V
<b>Inner Conductor DCR</b>	< 22.10 Ω/km

### Attenuations (20°C)

<b>5 MHz</b>	1.70 dB/100m
<b>50 MHz</b>	4.50 dB/100m
<b>230 MHz</b>	9.25 dB/100m
<b>470 MHz</b>	14.40 dB/100m
<b>860 MHz</b>	19.40 dB/100m
<b>1000 MHz</b>	21.20 dB/100m
<b>1200 MHz</b>	22.90 dB/100m
<b>2150 MHz</b>	32.00 dB/100m
<b>3000 MHz</b>	39.05 dB/100m

### Return Loss (20°C)

<b>5-470 MHz</b>	> 26 dB
<b>470-1200 MHz</b>	> 23 dB
<b>1200-2000 MHz</b>	> 20 dB
<b>2000-3000 MHz</b>	> 18 dB

### Transfer Impedance

<b>5-30 MHz</b>	≤ 5 mΩ/m
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### Screening Attenuation

<b>30-1200 MHz</b>	≥ 85 dB
<b>1200-2000 MHz</b>	≥ 75 dB
<b>2000-3000 MHz</b>	≥ 65 dB

### Standards

<b>Screening Class</b>	Class A
<b>EN 50117-2-4</b>	
<b>Euro Class</b>	F <sub>ca</sub>