



## Class C



## RG 59 U/6 (Cu/Cu)

### Kullanım Alanları

Bina içi CATV dağıtım kablosu ve CCTV gibi düşük zayıflama istenen sistemlerde bağlantı kablosu olarak kullanılır.

### Kablo Yapısı

**İç İletken**  
Ø 0.81 mm Elektrolitik Bakır

**İzolasyon**  
Ø 3.60 mm Fiziksel Köpüklü  
Skin/Foam/Skin PE

**1. Ekran**  
Cu-Pet Folyo

**2. Ekran**  
Tavlı Bakır Tellerden Örgü

**Dış Kılıf**  
Ø 5.80 mm PVC

### Teknik Özellikler

**Kablo Ağırlığı** 35 kg/km  
**Bakır Ağırlığı** 11.4 kg/km  
**Min. Bük. Yarı Çapı** 25 mm  
**Maks. Gergi Kuvveti** 60 N  
**Çalışma Sıcaklığı** -30 °C ... +70 °C  
**Ambalaj** 100 / 300 / 500 m

### Elektriksel Özellikler

**Empedans** 75 ± 3 Ω  
**Kapasitans** 53 ± 2 pF/m  
**Yayımlama Hızı** % 84  
**Yalıtım Direnci** > 2 GΩxkm  
**Çalışma Voltajı** 1000 V  
**Test Voltajı** 2500 V  
**İç İletken Direnci** < 34.50 Ω/km

### Zayıflamalar (20°C)

**5 MHz** 2.20 dB/100m  
**50 MHz** 5.80 dB/100m  
**230 MHz** 11.90 dB/100m  
**470 MHz** 17.70 dB/100m  
**860 MHz** 23.90 dB/100m  
**1000 MHz** 25.75 dB/100m  
**1200 MHz** 35.20 dB/100m  
**2150 MHz** 38.50 dB/100m  
**3000 MHz** 48.50 dB/100m

### Geri Dönüş Kaybı (20°C)

**5-470 MHz** > 26 dB  
**470-1200 MHz** > 23 dB  
**1200-2000 MHz** > 20 dB  
**2000-3000 MHz** > 18 dB

### Transfer Empedansı

**5-30 MHz** ≤ 50 mΩ/m

### Ekranlama Zayıflaması

**30-1200 MHz** ≥ 75 dB  
**1200-2000 MHz** ≥ 65 dB  
**2000-3000 MHz** ≥ 55 dB

### Standartlar

**Ekranlama Sınıfı** EN 50117-2-4 Class C  
**CPR Sınıfı** E<sub>ca</sub>  
**Alev Geciktiricilik** EN 60332-1-2

### Application

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

### Cable Construction

**Inner Conductor**  
Ø 0.81 mm Bare Copper

**Insulation**  
Ø 3.60 mm Gas Injected  
Skin/Foam/Skin PE

**1<sup>st</sup> Shielding**  
Cu-Pet Foil

**2<sup>nd</sup> Shielding**  
Annealed Copper Wire Braiding

**Outer Sheath**  
Ø 5.80 mm PVC

### Technical Properties

**Cable Weight** 35 kg/km  
**Copper Weight** 11.4 kg/km  
**Min. Bending Radius** 25 mm  
**Max. Tensile Strength** 60 N  
**Temperature Range** -30 °C ... +70 °C  
**Packing** 100 / 300 / 500 m

### Electrical Properties

**Impedance** 75 ± 3 Ω  
**Capacitance** 53 ± 2 pF/m  
**Velocity of Propagation** 84 %  
**Insulation Resistance** > 2 GΩxkm  
**Operating Voltage** 1000 V  
**Test Voltage** 2500 V  
**Inner Conductor DCR** < 34.50 Ω/km

### Attenuations (20°C)

**5 MHz** 2.20 dB/100m  
**50 MHz** 5.80 dB/100m  
**230 MHz** 11.90 dB/100m  
**470 MHz** 17.70 dB/100m  
**860 MHz** 23.90 dB/100m  
**1000 MHz** 25.75 dB/100m  
**1200 MHz** 35.20 dB/100m  
**2150 MHz** 38.50 dB/100m  
**3000 MHz** 48.50 dB/100m

### Return Loss (20°C)

**5-470 MHz** > 26 dB  
**470-1200 MHz** > 23 dB  
**1200-2000 MHz** > 20 dB  
**2000-3000 MHz** > 18 dB

### Transfer Impedance

**5-30 MHz** ≤ 50 mΩ/m

### Screening Attenuation

**30-1200 MHz** ≥ 75 dB  
**1200-2000 MHz** ≥ 65 dB  
**2000-3000 MHz** ≥ 55 dB

### Standards

**Screening Class** EN 50117-2-4 Class C  
**Euro Class** E<sub>ca</sub>  
**Flame Retardancy** EN 60332-1-2