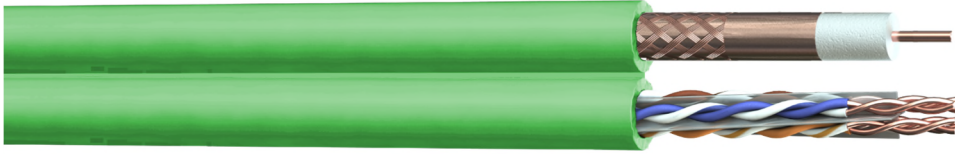


Part No: 392100C6-E00
Description: TruHome Cat 6 UTP + TV100 coaxial cable in a distinctive Green PVC jacket in a shotgun formation. Designed for media distribution around the home.

Construction

Cat 6 U/UTP

Conductor Material & Size : Bare Copper, 23(1)AWG
 Insulation Material : Polyethylene (PE)
 Number of Pairs : 4
 Pair Identification : White/Blue, Blue/White; White/Orange, Orange/White
 : White/Green, Green/White; White/Brown, Brown/White

TV 100

Conductor Material : Bare Copper
 Conductor Size : 1.00mm
 Insulation Material : FPE
 Overall Screen 1 : Bare Copper Foil
 Overall Screen 2 : Bare Copper Wire Braid, (≥ 55% Coverage)

Overall Construction

Sheath Material : Polyvinyl Chloride (PVC)
 Sheath Colour : Green

Electrical Characteristics

Cat 6 U/UTP

Nominal Impedance : 100 ± 15 Ω (1-100MHz)
 Max. Conductor Resistance @ 20°C : ≤ 9.50 Ω/100m
 Max. Conductor Resistance Unbalanced : ≤ 2.5 %
 Mutual Capacitance : ≤ 5.6 nF/100m
 Capacitance Unbalanced to Earth : ≤ 330 pF/ 100m
 Max. Delay Skew : ≤ 45 nS/ 100m
 Voltage Rating : 30 V
 Test Voltage : 2.5kV (AC)

Cat 6 U/UTP Transmission Performance

| Frequency | 1 | 4 | 10 | 16 | 20 | 31.25 | 62.5 | 100 | 200 | 250 | 300 | 400 | 500 | MHz |
|-------------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
| Attenuation | 1.9 | 3.5 | 5.5 | 7.0 | 7.9 | 10.0 | 14.4 | 18.6 | 27.4 | 31.1 | 34.0 | 41.1 | 47.1 | ≤ dB |
| Return Loss | 19.1 | 21.0 | 21.0 | 20.0 | 19.5 | 18.5 | 16.0 | 14.0 | 11.0 | 10.0 | 9.2 | 8.0 | 7.0 | ≥ dB |
| NEXT | 65.0 | 64.1 | 57.8 | 54.6 | 53.1 | 50.0 | 45.1 | 41.8 | 36.0 | 35.3 | 34.0 | 31.9 | 30.4 | ≥ dB |
| PS NEXT | 62.0 | 61.8 | 55.5 | 52.2 | 50.7 | 47.5 | 42.7 | 39.3 | 34.3 | 32.7 | 31.4 | 29.3 | 27.6 | ≥ dB |
| ACRF | 64.2 | 52.1 | 44.2 | 40.1 | 38.2 | 34.3 | 28.3 | 24.2 | 18.2 | 16.2 | 14.6 | 12.1 | 10.2 | ≥ dB |
| PSACRF | 61.2 | 49.1 | 41.2 | 37.1 | 35.2 | 31.3 | 25.3 | 21.2 | 15.2 | 13.2 | 11.6 | 9.1 | 7.2 | ≥ dB |

Part No: 392100C6-E00
Description: TruHome Cat 6 UTP + TV100 coaxial cable in a distinctive Green PVC jacket in a shotgun formation. Designed for media distribution around the home.



TV 100

Nominal Impedance : 75 ± 3 Ω
 Max. Conductor Resistance @ 20°C : ≤ 23.5 Ω/km
 Outer Conductor Resistance @ 20°C : ≤ 15 Ω/km
 Capacitance : 53 ± 3 pF/m
 NVP : 83 %

TV 100 Electrical Performance

Attenuation

| Frequency (MHz) | Attenuation (dB/100m) | Frequency (MHz) | Attenuation (dB/100m) |
|-----------------|-----------------------|-----------------|-----------------------|
| 5 | 1.6 | 860 | 19.5 |
| 50 | 4.6 | 1000 | 21.5 |
| 100 | 6.5 | 1750 | 29.0 |
| 200 | 9.5 | 2150 | 32.5 |
| 460 | 15.0 | | |

Return Loss

| Frequency (MHz) | dB |
|-----------------|------|
| 30 – 470 | ≥ 23 |
| 470 – 862 | ≥ 20 |
| 862 - 2150 | ≥ 18 |

Physical Characteristics

Overall Diameter : 6.5 x 13.2 ± 0.4mm
 Bend Radius : Fixed 8 x OD Flexing 10 x OD
 Temperature Rating : Fixed -15°C to 70°C Flexing -10°C to 70°C
 Weight : 92 kg/km

Overall Construction

Flame Retardant : BS EN 60332-1-2
 RoHS3 Compliant : Yes
 Cat 6 U/UTP Manufactured in Accordance to : TIA/EIA 568-C.2, ISO/IEC 11801
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)