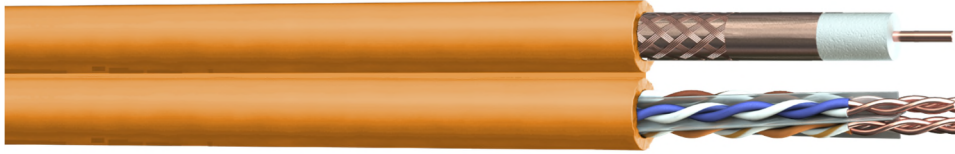


Part No: 392100C6H-E00
Description: TruHome Cat 6 UTP + TV100 coaxial cable in a distinctive Orange Low Smoke Halogen Free (LSHF) jacket in a shotgun formation. Designed for media distribution around the home.

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 : Low Smoke Halogen Free (LSHF)
 Sheath Colour : Orange

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: 392100C6H-E00
Description: TruHome Cat 6 UTP + TV100 coaxial cable in a distinctive Orange Low Smoke Halogen Free (LSHF) 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
 Low Smoke Generation : BS EN 61034-2
 Halogen Gas Emission : BS EN 60754-1&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)