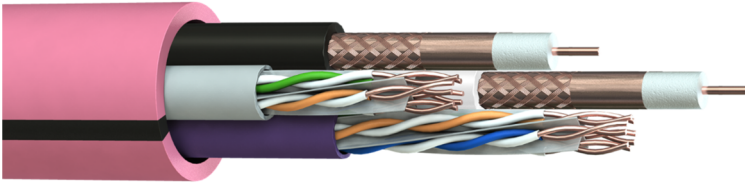


Part No: HA3-E00
Description: TruHome 2 x Cat 6 UTP and 2 x TV100 coaxial cable in a distinctive Pink PVC jacket with a Black stripe.

Construction

2 x Cat 6 UTP

Conductor Material & Size	: Bare Copper, 23(1)AWG
Insulation Material	: HDPE
Number of Pairs	: 4
Pair Identification	: White/Blue, Blue/White : White/Orange, Orange/White : White/Green, Green/White : White/Brown, Brown/White
Sheath Material	: PVC
Sheath Colour	: 1 x Grey, 1 x Violet

2 x TV 100

Conductor Material	: Bare Copper
Conductor Size	: 1.02mm
Insulation Material	: FPE
Overall Screen 1	: Bare Copper Foil
Overall Screen 2	: Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	: PVC
Sheath Colour	: 1 x Black, 1 x White

Overall Construction

Sheath Material	: Polyvinyl Chloride (PVC)
Sheath Colour	: Pink + Black Stripe

Electrical Characteristics

Cat 6 UTP

Nominal Impedance	: 100 ± 15 Ω (1-250MHz)
Max. Conductor Resistance @ 20°C	: ≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	: ≤ 5.0 %
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)

2 x 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 %



Part No: HA3-E00
Description: TruHome 2 x Cat 6 UTP and 2 x TV100 coaxial cable in a distinctive Pink PVC jacket with a Black stripe.



TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Cat 6 UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	2.03	3.78	5.95	7.55	8.47	10.67	15.38	19.8	28.98	32.85	34.0	41.1	47.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	9.2	8.0	7.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.7	44.3	39.8	38.3	34.0	31.9	30.4	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.4	29.3	27.6	dB
ELFEXT	67.8	55.8	49.7	47.8	41.8	37.9	31.9	27.8	21.8	19.8	14.6	12.1	10.2	dB
PSELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	11.6	9.1	7.2	dB

Physical Characteristics

Overall Diameter : 17.5 ± 1.0mm
 Bend Radius : 15 x OD
 Temperature Rating : -10°C to 70°C
 Weight : 220 kg/km

Standards

Cat 6 UTP PVC

Manufactured in Accordance to : TIA/EIA 568-C.2, ISO/IEC 11801
 Approval : HDBaseT

Overall Construction

Flame Retardant : BS EN 60332-1-2
 RoHS3 Compliant : Yes
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)