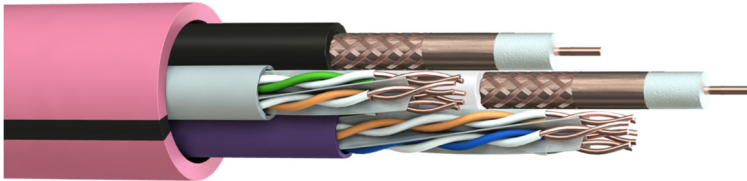


**Part No:** HA3-E00  
**Description:** TruHome 2 x Cat 6 UTP and 2 x TV100 coaxial cable in a distinctive Pink PVC jacket with a Black stripe.

### 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
<b>Attenuation</b>	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	<b>dB</b>
<b>Return Loss</b>	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	<b>dB</b>
<b>NEXT</b>	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	<b>dB</b>
<b>PS NEXT</b>	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	<b>dB</b>
<b>ELFEXT</b>	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	<b>dB</b>
<b>PSELFEXT</b>	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	<b>dB</b>

### 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)