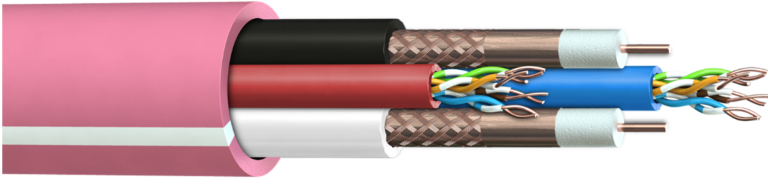


**Part No:** HA1-E00  
**Description:** TruHome 2 x Cat 5E UTP and 2 x TV100 coaxial cable in a distinctive Pink PVC jacket with a White stripe.

### Construction

#### 2 x Cat 5E UTP

Conductor Material & Size	: Bare Copper, 24(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 Red, 1 x Blue

#### 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 + White Stripe

### Electrical Characteristics

#### Cat 5E UTP

Nominal Impedance	: 100 ± 15 Ω (1-100MHz)
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	: ≤ 300 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:** HA1-E00  
**Description:** TruHome 2 x Cat 5E UTP and 2 x TV100 coaxial cable in a distinctive Pink PVC jacket with a White 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 5E UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
<b>Attenuation</b>	2.0	4.10	6.5	8.2	9.30	11.7	17.0	22.0	26.6	30.7	38.7	41.4	<b>dB</b>
<b>Return Loss</b>	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	10.1	9.0	7.2	6.6	<b>dB</b>
<b>NEXT</b>	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3	29.2	27.3	24.4	23.2	<b>dB</b>
<b>PS NEXT</b>	62.3	53.3	47.3	44.4	42.8	39.9	35.4	32.3	27.0	25.2	22.3	21.2	<b>dB</b>
<b>ELFEXT</b>	65.0	52.0	44.0	39.9	38.0	34.1	28.1	24.0	17.5	15.3	11.8	10.5	<b>dB</b>
<b>PSELFEXT</b>	61.0	49.0	41.0	36.9	35.0	31.1	25.1	21.0	11.8	9.6	6.1	4.7	<b>dB</b>

### Physical Characteristics

Overall Diameter : 16.8 ± 1.0mm  
 Bend Radius : 15 x OD  
 Temperature Rating : -10°C to 70°C  
 Weight : 210 kg/km

### Standards

#### Cat 5E 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)