



**Part No:** HA5-E00  
**Description:** TruHome 1 x Cat 5E UTP, 2 x Cat 6 UTP and 2 x TV100 coaxial cable in a distinctive Pink Low Smoke Halogen Free (LSHF) jacket with a Purple stripe.

### 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 %

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

### 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

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### Physical Characteristics

Overall Diameter : 18.7 ± 1.0mm  
Bend Radius : 15 x OD  
Temperature Rating : -10°C to 70°C  
Weight : 250 kg/km

### Standards

#### Cat 5E UTP LSHF

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

#### Cat 6 UTP LSHF

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

### 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  
CE Compliant : LVD (2014/35/EU), CPR (305/2011)  
CPR Classification : Eca (EN50575:2014+A1:2016)