

**Part No:** C6HR08-B204  
**Description:** The TruLan Cat 6 U/UTP cable is the ideal choice for high speed data networks across a home or building.




### Construction

**Conductor** : Bare Copper  
**AWG** : 23(1)  
**Insulation Material** : High Density Polyethylene (HDPE)  
**Number of Pairs** : 4  
**Pair Identification** : Blue, Blue/White; Orange, Orange/White  
 : Green, Green/White; Brown, Brown/White  
**Outer Sheath Material** : Low Smoke Halogen Free (LSHF)  
**Outer Sheath Colour** : Orange

### Electrical Characteristics

**Max. Conductor Resistance @ 20°C** :  $\leq 9.5 \Omega/100m$   
**Max. Resistance Unbalanced** :  $\leq 2.0 \%$   
**Nominal Impedance (1-100MHz)** :  $100 \pm 5 \Omega$   
**Mutual Capacitance** :  $\leq 5.6 pF/m$   
**Capacitance Unbalanced** :  $\leq 1600 pF/km$   
**NVP** :  $68.5 \% \pm 2$   
**Max. Delay Skew** :  $\leq 45 nS/ 100m$   
**Voltage Rating EN 50525-1** : 125V  
**Test Voltage** : 1kV

### Physical Characteristics

**Overall Diameter** :  $6.2 \pm 0.3mm$   
**Bend Radius** : Fixed 4 x OD Flexing 8 x OD  
**Temperature Rating** : Fixed -20°C to 60°C Flexing 0°C to 50°C  
**Weight** : 48 kg/km

### Transmission Performance

Frequency	1	4	10	100	200	250	MHz
Attenuation	2.1	3.8	6.0	19.9	29.1	33.0	$\leq dB$
Return Loss	34	30	27	20	18	17	$\geq dB$
NEXT	75	66	60	45	41	39	$\geq dB$
PS NEXT	72	63	57	42	38	36	$\geq dB$
ACRF	68	56	48	28	22	20	$\geq dB$
PS-ACRF	65	53	45	25	19	17	$\geq dB$

### Standards

<b>Flame Retardant</b> : BS EN 60332-1-2	<b>Low Smoke Generation</b> : BS EN 61034-2
<b>Halogen Gas Emission</b> : BS EN 60754-1&2	<b>Manufactured in accordance to</b> : TIA/EIA 568-C.2, ISO/IEC 11801 Class E,
<b>RoHS3 Compliance</b> : Yes	<b>EN 50288-6-1, ISO/IEC 61156-5</b>
<b>CE Compliant</b> : LVD (2014/35/EU), CPR (305/2011)	<b>CPR Classification</b> : B2ca s1a, d1, a1 (EN50575:2014+A1:2016)