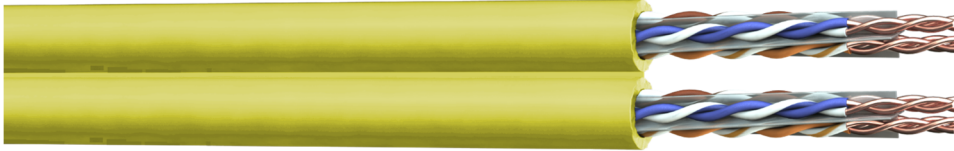


**Part No:** C6HR09SHOTGUN-E00  
**Description:** The TruLan Cat 6 U/UTP shotgun/figure of 8 cable in Low Smoke Halogen Free (LSHF) is the ideal choice for high speed data networks across a home or building.

### Construction

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

### Electrical Characteristics

Max. Conductor Resistance @ 20°C : ≤ 9.5 Ω/100m  
 Max. Resistance Unbalanced : ≤ 2.5 %  
 Nominal Impedance (1-100MHz) : 100 ± 15 Ω  
 Mutual Capacitance : ≤ 5.6nF/100m  
 Capacitance Unbalanced to Earth : ≤ 330 pF/ 100m  
 NVP : 68.5 %  
 Max. Delay Skew : ≤ 45 nS/ 100m  
 Voltage Rating EN 50525-1 : 450/750V\*  
 Test Voltage : 2.5kV (AC)  
 \*Suitable for installation where Band II 450/750v cables are present. Not suitable for connection to mains supply

### Physical Characteristics

Overall Diameter : 6.2 x 13.2 ± 0.5mm  
 Bend Radius : Fixed 4 x OD Flexing 8 x OD  
 Temperature Rating : Fixed -20°C to 60°C Flexing -10°C to 60°C  
 Weight : 94 kg/km

### Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	≥ dB

### Standards

Flame Retardant : BS EN 60332-1-2	Low Smoke Generation : BS EN 61034-2
Halogen Gas Emission : BS EN 60754-1&2	Manufactured in accordance to : TIA/EIA 568-C.2, ISO/IEC 11801
RoHS3 Compliance : Yes	CPR Classification : Eca (EN50575:2014+A1:2016)
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	