

**Part No:** C6RSHOTGUN-E00  
**Description:** The TruLan Cat 6 U/UTP shotgun/figure of 8 cable in PVC 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** : Polyvinyl Chloride (PVC)  
**Outer Sheath Colour** : Grey

### 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  
**RoHS3 Compliance** : Yes  
**CE Compliant** : LVD (2014/35/EU), CPR (305/2011)

**Manufactured in accordance to CPR Classification** : TIA/EIA 568-C.2, ISO/IEC 11801  
 : Eca (EN50575:2014+A1:2016)