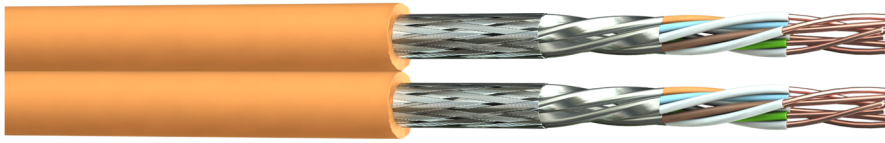


**Part No:** C7HR08SHOTGUN  
**Description:** The TruLan Cat 7 S/FTP shotgun cable is the ideal choice for high speed data networks across a home, building or data centre.



### Construction x 2

**Conductor** : Bare Copper  
**AWG** : 23(1)  
**Insulation Material** : Skin-Foam-Skin Polyethylene (SFS PE)  
**Number of Pairs** : 8 (4 Pairs Per Leg)  
**Pair Identification** : Blue/White, Orange/White,  
 : Green/White, Brown/White  
**Individual Screen** : Aluminium Foil, Each Pair (100% Coverage)  
**Overall Screen** : Tinned Copper Wire Braid (30% Coverage)  
**Sheath Material** : Low Smoke Halogen Free (LSHF)  
**Sheath Colour** : Orange

### Electrical Characteristics

**Max. Conductor Resistance @ 20°C** : ≤ 9.38 Ω/100m  
**Max. Resistance Unbalanced** : ≤ 2.0 %  
**Nominal Impedance (1-100MHz)** : 100 ± 15 Ω  
**Mutual Capacitance** : ≤ 5.6nF/100m  
**Capacitance Unbalanced to Earth** : ≤ 330 pF/ 100m  
**Max. Delay Skew** : ≤ 25 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** : 7.4 x 15.6 ± 0.4mm  
**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** : 140 kg/km

### Transmission Performance

Frequency	1	4	10	100	250	500	600	MHz
Attenuation	1.9	3.6	5.6	17.9	28.2	42.0	44.0	≤ dB
Return Loss	24.0	30.0	33.0	33.0	28.0	26.0	25.0	≥ dB
NEXT	100.0	100.0	100.0	100.0	95.0	92.0	88.0	≥ dB
PS NEXT	97.0	97.0	97.0	97.0	92.0	89.0	85.0	≥ dB
ACRF	98.0	97.0	95.0	82.0	63.0	56.0	45.0	≥ dB
PSACRF	95.0	95.0	95.0	75.0	66.0	53.0	42.0	≥ 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 : Cat 7/Class F to IEC 61156-5, EN 50288-4-1
RoHS3 Compliance : Yes	
CE Compliant : LVD (2014/35/EU)	