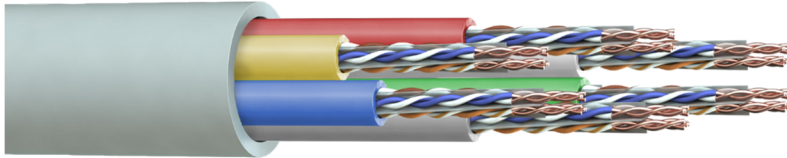


**Part No:** C6R6-E00  
**Description:** The TruLan Cat 6 U/UTP 24pair (6 x 4pair) cable in PVC is the ideal choice for high speed data networks across a home or building.



### 6 x Cat 6 U/UTP PVC

**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** : 1 x Blue, 1 x Red, 1 x Yellow, 1 x White, 1 x Green, 1 x Grey

### Overall Construction

**Outer Sheath Material** : Polyvinyl Chloride (PVC)  
**Outer Sheath Colour** : Grey

### Electrical Characteristics

**Max. Conductor Resistance @ 20°C** :  $\leq 9.5 \Omega/100m$   
**Max. Resistance Unbalanced** :  $\leq 2.5 \%$   
**Nominal Impedance (1-100MHz)** :  $100 \pm 15 \Omega$   
**Mutual Capacitance** :  $\leq 5.6nF/100m$   
**Capacitance Unbalanced to Earth** :  $\leq 330 pF/ 100m$   
**NVP** : 68.5 %  
**Max. Delay Skew** :  $\leq 45 nS/ 100m$   
**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** :  $21.0 \pm 1.5mm$   
**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** : 290 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	$\leq$ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	$\geq$ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	$\geq$ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	$\geq$ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	$\geq$ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	$\geq$ 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** : TIA/EIA 568-C.2, ISO/IEC 11801  
**CPR Classification** : Eca (EN50575:2014+A1:2016)