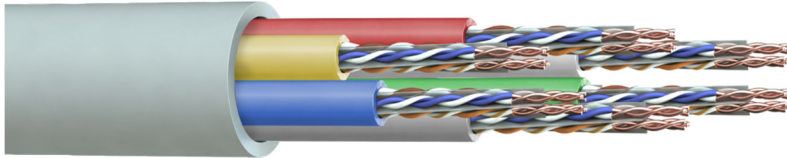


Part No: C6R6-E00
Description: The TruLan Cat 6 U/UTP 24pair (6 x 4pair) cable in PVC is the ideal choice for high speed data networks across a home or building.



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	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)	