

Part No: C5EC-F00
Description: The TruLan Cat 5E U/UTP cable is the ideal choice for high speed data networks and is suitable for external applications



TESTED TO
350MHz



Construction

Conductor : Bare Copper
AWG : 24(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
Sheath Material : Polyethylene (PE)
Sheath Colour : Black



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 : 5.1 ± 0.3mm
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 : 40 kg/km

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.1	3.90	6.2	7.90	8.9	11.2	16.2	21.0	26.6	30.7	38.7	41.4	≤ dB
Return Loss	19.0	19.0	19.0	19.0	19.0	17.1	14.1	12.0	10.1	9.0	7.2	6.6	≥ dB
NEXT	60.0	54.8	48.5	45.2	43.7	40.5	35.7	32.3	29.2	27.3	24.4	23.2	≥ dB
PS NEXT	57.0	51.8	45.5	42.2	40.7	37.5	32.7	29.3	27.0	25.2	22.3	21.2	≥ dB
ACRF	58.6	46.6	38.6	34.5	32.6	28.7	22.7	18.6	17.5	15.3	11.8	10.5	≥ dB
PSACRF	55.6	43.6	35.6	31.5	29.6	25.7	19.7	15.6	11.8	9.6	6.1	4.7	≥ dB

Standards

RoHS3 Compliance : Yes
CE Compliant : LVD (2014/35/EU)
Manufactured in accordance to : TIA/EIA 568-C.2, ISO/IEC 11801

UV & Weather Resistance : ISO 4892-3
CPR Classification : Fca (EN50575:2014+A1:2016)