

Part No: C5EFR-E00
Description: The TruLAN Cat 5E F/UTP cable is the ideal choice for high speed data networks across a home or building.




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
 Drain Wire : 24(1)AWG, Tinned Copper
 Overall Screen : Aluminium Foil (100% Coverage)
 Sheath Material : Polyvinyl Chloride (PVC)
 Sheath Colour : Grey



Electrical Characteristics

Max. Conductor Resistance @ 20°C : ≤ 9.5 Ω/100m
 Max. Resistance Unbalanced : ≤ 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 ± 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 : 48 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

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)

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