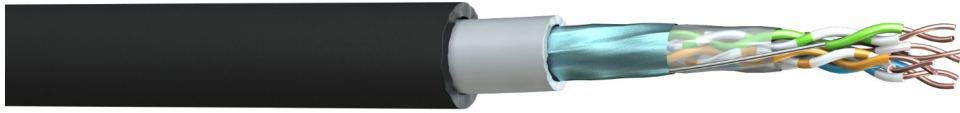


**Part No:** C5EFD-F00

**Description:** The TruLan Cat 5E F/UTP cable is the ideal choice for high speed data networks and is suitable for external applications and running through ducting due to its heavy PE outer sheath.

**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)
Inner Sheath Material	: Polyvinyl Chloride (PVC)
Inner Sheath Colour	: Grey
Outer Sheath Material	: Polyethylene (PE)
Outer 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	: 8.6 ± 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	: 86 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	UV & Weather Resistance	: ISO 4892-3
CE Compliant	: LVD (2014/35/EU)	CPR Classification	: Fca (EN50575:2014+A1:2016)
Manufactured in accordance to	: TIA/EIA 568-C.2, ISO/IEC 11801		

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