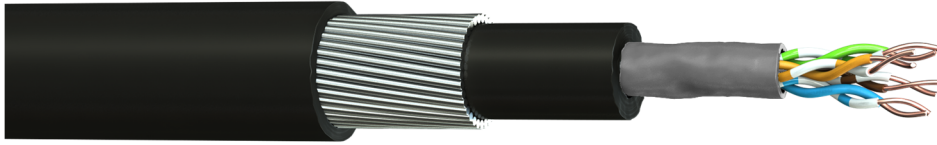


Part No: C5EA-F00
Description: The TruLan Cat 5E U/UTP armoured cable is the ideal choice for high speed data networks and is suitable for external applications and running through ducting or directly burying.

**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
1st Inner Sheath Material : Polyvinyl Chloride (PVC)
1st Inner Sheath Colour : Grey
2nd Inner Sheath Material : Polyethylene (PE)
2nd Inner Sheath Material : Black
Armour : Galvanised Steel Wire Armour (SWA)
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 : 14.0 ± 0.5mm
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 : 239 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		

FS Cables
Shoal Export

01727 840 841
+44 1727 849 841

sales@fscables.com
sales@shoal-export.com

www.fscables.com
www.shoal-export.com

Part Number: C5EA-F00
 Date: 09/01/2020
 Revision: 1.4
 Author: GB Checked: GB
 Page Number: 1 of 1

Information and images on this technical datasheet are intended for guidance only and products may vary due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability.