

TruLan Cat 5E 25 Pair U/UTP PE Duct Grade **Technical Datasheet**

Part No: C525D-F00

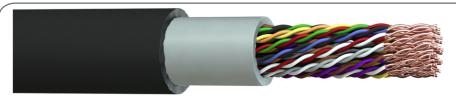
Description: The TruLan Cat 5E 25 Pair U/UTP cable is the ideal choice for high speed data

networks and is suitable for external applications and running through ducting

due to is heavy PE outer sheath.



INDEPENDENTLY VERIFIED





Conductor : Bare Copper AWG : 24(1)

Insulation Material : High Density Polyethylene (HDPE)

Number of Pairs : 25 Pair Identification : See Table

Inner Sheath Material : Polyvinyl Chloride (PVC)

Inner Sheath Colour : Grey

Outer Sheath Material : Polyethylene (PE)

Outer Sheath Colour : Black



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 : 13.5 ± 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 : 278 kg/km

Transmission Performance

Transmission renormance									
Frequency	1	4	10	16	20	31.25	62.5	100	MHz
Attenuation	2.1	3.90	6.2	7.90	8.9	11.2	16.2	21.0	≤dB
Return Loss	19.0	19.0	19.0	19.0	19.0	17.1	14.1	12.0	≥ dB
NEXT	60.0	54.8	48.5	45.2	43.7	40.5	35.7	32.3	≥ dB
PS NEXT	57.0	51.8	45.5	42.2	40.7	37.5	32.7	29.3	≥ dB
ACRF	58.6	46.6	38.6	34.5	32.6	28.7	22.7	18.6	≥ dB
PSACRF	55.6	43.6	35.6	31.5	29.6	25.7	19.7	15.6	≥dB

Standards

UV & Weather Resistance **RoHS3 Compliance** : Yes : ISO 4892-3

CE Compliant : LVD (2014/35/EU) CPR Classification : Fca (EN50575:2014+A1:2016)

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amend the product information without notice or liability.

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Part Number: C525D-F00 Date: 08/01/2020 Revision: 1 4

> Checked: GB Author: GB Page Number: 1 of 2



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Trulan

Colour Code

Pair No.				
1	White-Blue	Blue		
2	White-Orange	Orange		
3	White-Green	Green		
4	White-Brown	Brown		
5	White-Grey	Grey		
6	Red-Blue	Blue		
7	Red-Orange	Orange		
8	Red-Green	Green		
9	Red-Brown	Brown		
10	Red-Grey	Grey		
11	Black-Blue	Blue		
12	Black-Orange	Orange		
13	Black-Green	Green		
14	Black-Brown	Brown		
15	Black-Grey	Grey		
16	Yellow-Blue	Blue		
17	Yellow-Orange	Orange		
18	Yellow-Green	Green		
19	Yellow-Brown	Brown		
20	Yellow-Grey	Grey		
21	Violet-Blue	Blue		
22	Violet-Orange	Orange		
23	Violet-Green	Green		
24	Violet-Brown	Brown		
25	Violet-Grey	Grey		

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Page Number: 2 of 2