

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.







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)

FS Cables Ltd **Export Sales**

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Information and images on this techincal datasheet are intended for guidance only and products may vary

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due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability.





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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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