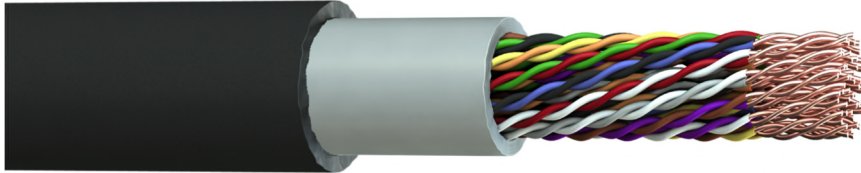


Part No: C525D-F00
Description: The TruLan Cat 5E 25 Pair U/UTP cable is the ideal choice for high speed data networks and is suitable for external applications and running through ducting due to its heavy PE outer sheath.

Construction

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



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 : 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

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

RoHS3 Compliance : Yes | UV & Weather Resistance : ISO 4892-3
 CE Compliant : LVD (2014/35/EU) | CPR Classification : Fca (EN50575:2014+A1:2016)

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 its heavy PE outer sheath.



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