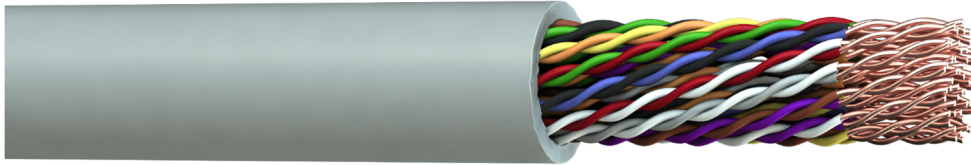


Part No: C525H
Description: The TruLan Cat 5E 25 Pair U/UTP cable in Low Smoke Halogen Free (LSHF) is the ideal choice for high speed data networks.



Construction

Conductor : Bare Copper
 AWG : 24(1)
 Insulation Material : High Density Polyethylene (HDPE)
 Number of Pairs : 25
 Pair Identification : See Table
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Grey

Electrical Characteristics

Max. Conductor Resistance @ 20°C : $\leq 9.5 \Omega/100m$
 Max. Resistance Unbalanced : $\leq 2.5 \%$
 Nominal Impedance (1-100MHz) : $100 \pm 15 \Omega$
 Mutual Capacitance : $\leq 5.6nF/100m$
 Capacitance Unbalanced to Earth : $\leq 330 pF/ 100m$
 NVP : 68.5 %
 Max. Delay Skew : $\leq 45 nS/ 100m$
 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 : $12.5 \pm 0.5mm$
 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 : 189 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	\leq dB
Return Loss	19.0	19.0	19.0	19.0	19.0	17.1	14.1	12.0	\geq dB
NEXT	60.0	54.8	48.5	45.2	43.7	40.5	35.7	32.3	\geq dB
PS NEXT	57.0	51.8	45.5	42.2	40.7	37.5	32.7	29.3	\geq dB
ACRF	58.6	46.6	38.6	34.5	32.6	28.7	22.7	18.6	\geq dB
PSACRF	55.6	43.6	35.6	31.5	29.6	25.7	19.7	15.6	\geq dB

Standards

Flame Retardant : BS EN 60332-1-2	Low Smoke Generation : BS EN 61034-2
Halogen Gas Emission : BS EN 60754-1&2	Manufactured in accordance to CE Compliant : TIA/EIA 568-C.2, ISO/IEC 11801
RoHS3 Compliance : Yes	: LVD (2014/35/EU)

Part No: C525H

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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