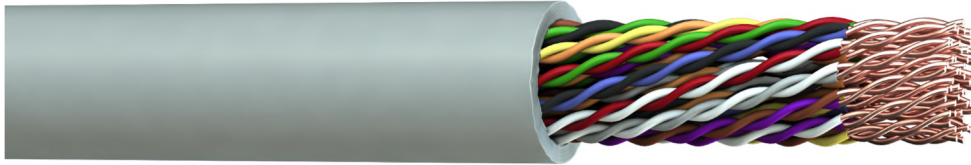


**Part No:** C525H  
**Description:** The TruLan Cat 5E 25 Pair U/UTP cable in Low Smoke Halogen Free (LSHF) is the ideal choice for high speed data networks.



### 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 : TIA/EIA 568-C.2, ISO/IEC 11801
RoHS3 Compliance : Yes	CE Compliant : LVD (2014/35/EU)

**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.



### 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