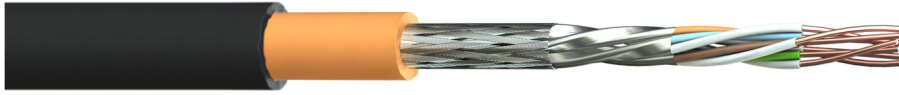


Part No: C7HR08D-F00
Description: The TruLan Cat 7 S/FTP cable in a heavy Black PE jacket is the ideal choice for high speed data networks and is suitable for external applications and running through ducting due to its heavy PE outer sheath.

Construction

Conductor : Bare Copper
AWG : 23(1)
Insulation Material : Skin-Foam-Skin Polyethylene (SFS PE)
Number of Pairs : 4
Pair Identification : Blue/White, Orange/White,
 : Green/White, Brown/White
Individual Screen : Aluminium Foil, Each Pair (100% Coverage)
Drain Wire : 0.40mm, Tinned Copper
Overall Screen : Tinned Copper Wire Braid (30% Coverage)
Inner Sheath Material : Low Smoke Halogen Free (LSHF)
Inner Sheath Colour : Orange
Outer Sheath Material : Polyethylene (PE)
Outer Sheath Colour : Black



Electrical Characteristics

Max. Conductor Resistance @ 20°C : ≤ 9.5 Ω/100m
Max. Resistance Unbalanced : ≤ 2.0 %
Nominal Impedance (1-100MHz) : 100 ± 5 Ω
Mutual Capacitance : ≤ 56 pF/m
Capacitance Unbalanced to Earth : ≤ 1600 pF/km
NVP : 77 % ± 3
Max. Delay Skew : ≤ 25 nS/ 100m
Voltage Rating EN 50525-1 : 125V
Test Voltage : 1kV

Physical Characteristics

Overall Diameter : 9.9 ± 0.3mm
Bend Radius : Fixed 4 x OD Flexing 8 x OD
Temperature Rating : Fixed -20°C to 60°C Flexing -0°C to 50°C
Weight : 100 kg/km

Transmission Performance

Frequency	1	4	10	100	250	500	600	MHz
Attenuation	2.0	3.7	5.9	19.0	31.0	45.3	50.1	≤dB
Return Loss	34	30	27	20	17	15	15	≥dB
NEXT	75	66	60	45	39	35	34	≥dB
PS NEXT	72	63	57	42	36	32	31	≥dB
ACRF	68	56	48	28	20	14	12	≥dB
PS-ACRF	65	53	45	25	17	11	9	≥dB

Standards

RoHS3 Compliance	: Yes	Manufactured in accordance to	: ISO/IEC 11801 Class F, EN 50288-4-1,
CE Compliant	: LVD (2014/35/EU)		: ISO/IEC 61156-5
UV & Weather Resistant	: ISO 4892-3	CPR Classification	: Fca (EN50575:2014+A1:2016)