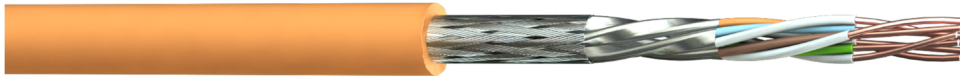


Part No: C7HR08-E00
Description: TruLAN Cat 7/Class F S/FTP. Designed to carry high bandwidth data transmission up to 10Gbps, making it the ideal choice for high speed data networks e.g. datacentres, banks etc.

Construction

Conductor	Bare Copper
AWG	23(1)
Insulation Material	Skin-Foam-Skin Polyethylene (FPE)
Number of Pairs	4
Pair Identification	TIA 568
Individual Pair Screen	Aluminium Polyester Foil, >100% Coverage
Drain Wire	24(1)AWG, Tinned Copper
Overall Screen	Tinned Copper Wire Braid, >25% Coverage
Sheath Material	Low Smoke Halogen Free (LSHF), Orange

Electrical Characteristics

Max. Conductor Resistance @ 20°C	≤ 8.6 Ω/100m
Nominal Impedance	100 ± 15 Ω (1-100MHz), 100 ± 20 Ω (100-250MHz), 100 ± 25 Ω (250-600MHz),
Insulation Resistance	5000MΩ/km
NVP	68.5 %
Test Voltage	2.5 kV(a.c) for 5 min

Physical Characteristics

Overall Diameter	7.6 ± 0.2mm		
Bend Radius	Fixed 4 x OD,	Flexing 8 x OD	
Temperature Rating	Fixed -20°C to 60°C,	Flexing 0°C to 60°C	
Weight	68 kg/km		

Transmission Performance

Frequency	4	10	16	31.25	62.5	100	250	500	600	MHz
Attenuation	3.7	5.9	7.4	10.4	14.8	19.0	31.0	45.3	38.4	dB
Return Loss	23.01	25.00	25.00	23.64	21.54	20.11	17.30	17.30	17.30	dB
NEXT	78.00	78.00	78.00	78.00	75.46	72.40	66.43	61.92	60.73	dB
PS NEXT	75.00	75.00	75.00	75.00	72.46	69.40	63.43	58.92	57.73	dB
ELFEXT	78.00	75.30	71.22	65.40	59.38	55.30	47.34	41.32	39.74	dB
PSELFEXT	75.00	72.30	68.22	62.40	56.38	52.30	44.34	38.32	36.74	dB

Standards

Flame Retardant	EN 60332-1-2	Manufactured in accordance to	ISO/IEC 11801, IEC61156-5, EN50173, EN50288-6-1
Halogen Emissions	EN 60754-2		
Smoke Emissions	EN 61034-2		
RoHS2 Compliance	Yes		
CE Compliant	LVD (2014/35/EU), CPR (305/2011)		
CPR Classification	E _{CA} (EN50575:2014+A1:2016)		

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ISO 9001:2015 Certificate Number: DAS94272226/0/Q

Part Number:	C7HR08-E00
Date:	08/01/2018
Revision:	1.2
Author: TB	Checked:
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