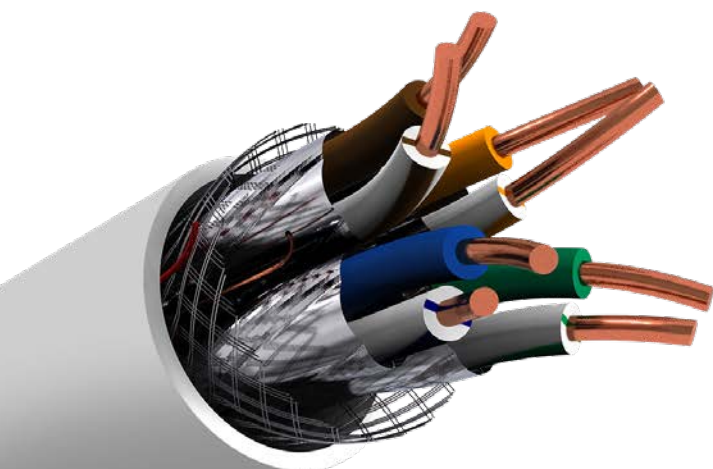


CABLE S/FTP C7

CAS#LSFTP-C7D



PRODUCT DESCRIPTION

Standard Reference:

ISO/IEC 11801:2011
IEC 61156-5:2012
EN 13501-6
EN 50173-1:2011
EN 50173-2:2007 including amendment A1:2010
EN 50288-9-1:2012
EN 50288-4
EN 50575:2014+A1:2016
EN 60332-1[1,2], 60332-3C, 60754-[1,2], 61034-[1,2]
ANSI/TIA-568-6-2:2009

• **Rated temperature:** 90°C

• **Installation temperature:** -30°C~+50°C

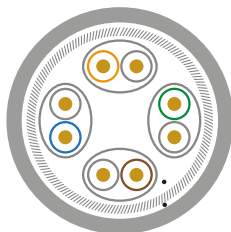
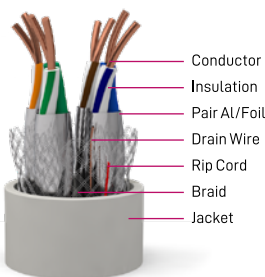
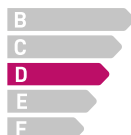
• **Rohs/REACH** complied

• **DoP N°:** 2658-CPR-5015_FAM098_02

Application:

VoIP, ISDN
Token, 100M TP-PDM
Analog and Data Video
TR-16 Active and Passive
115M/662m/1.2GATM
IEEE802.3: 100Base, 100Base-T,
1GBase-T, 10GBase-T

CRP Class:



TECHNICAL PERFORMANCE (100m)

Frequency RL (MHz)	Return loss (aB)	ATT ≤dB	NEXT ≤dB	PSNEXT ≤dB	ELFEXT ≤dB	PSELFEXT ≤dB
1	20.0	2.0	78.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	75.0	78.0	75.0
10.0	25.0	5.86	78.0	75.0	74.0	71.0
16.0	25.0	7.41	78.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	75.0	68.0	65.0
31.25	23.6	10.41	78.02	75.0	64.1	61.1
62.5	21.5	14.88	75.5	72.5	58.1	55.1
100	20.1	19.80	72.4	69.4	54.0	51.0
200	18.0	27.47	67.9	64.9	48.0	45.0
250	17.3	30.97	66.4	63.4	46.0	43.0
300	17.3	34.19	65.2	62.2	44.5	41.5
400	17.3	40.0	63.4	60.4	42.0	39.0
500	17.3	45.30	61.9	58.9	40.0	37.0
600	17.3	50.10	60.7	57.7	38.4	35.4

CABLE CONSTRUCTION

Conductor	Material	SOLID Bare Copper
	Nom.O.D (mm)	0.560 ± 0.005mm. 23AWG
Insulation	Material	HPDE
Insulation Diam. ø		1.06 ± 0.02mm
Pair Screening material	Aluminum Foil	Drain wire
All over Screening material	Tinned copper	Coverage ≥ 40%
	0.10mm Braid	
Sheath	Thickness	0.55 ± 0.05mm
	External O.D	7.8 ± 0.5mm
	Surface	Clean
	Material	LSZH-RoHS
	Jacket Color	White: RAL 9016 ○
Surface Printing	Letter Height	3.0 ± 0.3mm
	Color	Black
	Print error & Space	≤ ± 0.5%, 1m
Code Color	1 White/Blue	2 White/Orange
	3 White/Green	4 White/Brown
Dimension - Weight	50x50x24cm - 59Kg/Km	
Packing	1 Wooden drum	
Packing Length	500 ± 1.0m	

Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 10.0 Elongation (%) ≥ 125 Aging Period(°Cxhrs) 10°Cx24hx7d After Aging Tensile Strength (Mpa) ≥ 8 Elongation (%) ≥ 100 Cold bend (-20±2°C4h) 8xCable O.D No visible cracks	
Electrical Characteristics (20°C)	Impedance(Ω):	(1-100MHz) 100 ± 15Ω (100MHz) 100 ± 15Ω
	Delay Shew (ns/100m) ≤ 25	
	Velocity of Propagation(%) 74	
	Unbalanced-to-ground capacitance (pf/100m) max 30	
	DC Resistance(Ω/100m) max 93.8 (20°)	
	DC Conductor Resistance Unbalanc (%) max 2.0	