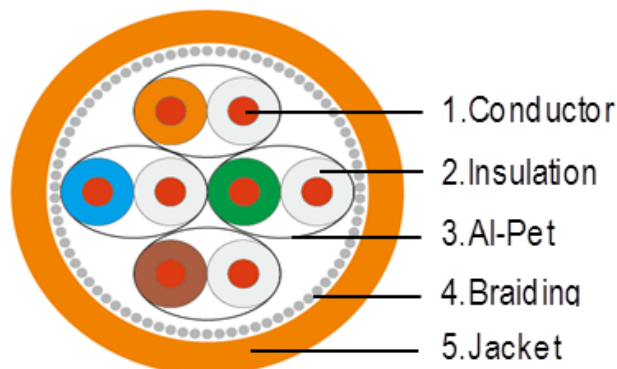


InfraLan cable S/FTP Cat.7 LSZH, Class D_{s2,d2,a1}

DK-ICD7SFO-V1



Application/Approvals

Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3an: 10Base-T, 100Base-TX, 1000Base-T, 10GBase-T IEEE 802.5, 16Mbit, ISDN, TPDDI, ATM IEEE 802.3af-2002: POE, IEEE 802.3at: POE+(30W), IEEE 802.3bt: PoE+(90W)
Standards:	ISO/IEC 11801-1:2017, ISO/IEC11801-2:2017, EN50173-1:2018, EN50173-2:2018 IEC61156-5:2012 (ED.2.1); IEC61156-7:2012 (ED.1.1); EN50288-9-1:2012
Fire protection:	IEC 60332-1-2
Reaction to fire:	EN50399, EN50575
Halogenfree:	IEC 60754-2
Low smoke:	IEC 61034-2
Segregation Class:	D, EN50174-2
CPR:	Class Dca,s2,d2,a1
Notified Body No:	1014

Construction

Conductor:	Solid Bare Copper Wire Nom.OD = 0,56mm (AWG23) +/-0,01
Conductor Insulation:	HDPE, Diameter = 1,35 +/-0,1mm 1x2C Twist
Outer Diameter:	7,4mm +/-0,2
Sheath material:	LSZH (low Smoke zero Halogen) RoHS Compliant
Shielded pair:	Aluminium foil cover each pair >=115%
Overall Shielded:	Tinned copper clad Aluminium, Coverage 30% +/-5
Sheath Color:	Orange RAL2003
Sheath printing:	Letter hight 3,0mm +/-0,3 "Description + batchno. + meter marking"
Core Color pair 1:	Blue / White
Core Color pair 2:	Orange/ White
Core Color pair 3:	Green / White
Core Color pair 4:	Brown / White

Electrical Characteristics (at 20°C)

Impedance :	1 -100Mhz: 100Ω +/-15 * 250-500Mhz: 100Ω +/-25 *	100-250Mhz: 100Ω +/-20 500-1000Mhz: 100Ω +/-30
DC Resistance :	< 85,6Ω/1Km	
Velocity ration (NVP) :	76%	
High Voltage Test :	2,5KV/DC 2 sec.	



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DK-ICD7SFO-V1

Mechanical Characteristics

Bending Radius :	4 x cable O.D. without load / 8 x cable O.D. with load
Temperature range:	During Operation: -20°C - +75°C / During Installation: -0°C - +50°C
Pull Force :	100N

Technical Performance (100 mtr)

Frequency MHz	RL dB Min.	Att. (20°C) dB/100m Max.	NEXT dB Min.	PSNEXT dB Min.	ACR-F dB (db/100m) Min.	PSACR-F dB (db/100m) Min.	ACR-N dB (db/100m) Min.	PSACR-N dB (db/100m) Min.
4	23,0	3,7	78,0	75,0	78,0	75,0	74,3	71,3
10	25,0	5,9	78,0	75,0	78,0	75,0	72,1	69,1
16	25,0	7,4	78,0	75,0	71,2	68,2	70,6	67,6
31,25	23,6	10,4	78,0	75,0	65,4	62,4	67,6	61,6
62,50	21,5	14,9	75,5	72,5	59,4	56,4	60,6	57,6
100	20,1	19,0	72,4	69,4	55,3	52,3	53,4	50,4
250	17,3	31,0	66,4	63,4	47,3	44,3	35,5	32,5
500	17,3	45,3	61,9	58,9	41,3	38,3	16,7	13,7
600	17,3	50,1	60,7	57,7	39,7	36,7	10,6	7,6
900	13,4	63,0	58,1	55,1	36,2	33,2	-4,9	-7,9
1000	13,1	66,9	57,4	54,4	35,3	32,3	-9,5	-12,5

Data above 600Mhz is for reference only.

Package Information

500 mtr. drum :	Dimension: OD/IDxH, 40x35cm wodden drum with label
	Netto weight: 26,5 kg
	Brutto weight: 32,5 kg

Ordering Information

Order no.	EAN	Description	Color	Packsize
DK-ICD7SFO.500-V1		InfraLan Cable Cat.7 1000Mhz S/FTP, LSZH, Class Dca	Orange	500 mtr.