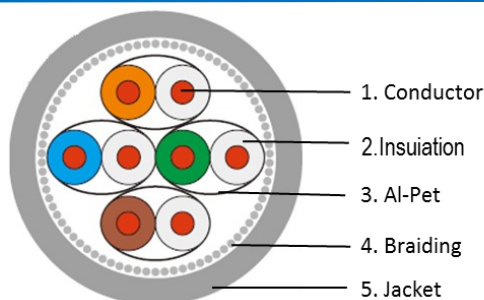


InfraLan Cable S/FTP Cat.7 LSZH, In/outdoor Class D,s2,d2,a1

DK-ICIO7SFTP-X



Application

Cat.7 1000Mhz shielded cable, jacket with Low smoke, Halogenfree compound (LSZH), for indoor and outdoor installations, and ideal for IP CCTV Applications. The cable is UV resistance and all weather applications, but not suitable for direct burial.

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
Fire protection:	EN 60332-1
Reaction to fire:	EN 50399, EN 50575
Halogenfree:	EN 60754
Low smoke:	EN 61034
Segregation Class:	D, EN50174-2
CPR:	Class Dca s2,d2,a1

Construction

Conductor:	Solid Bare Copper Wire Nom.OD = 0,56mm (AWG23) +/-0,01
Conductor Insulation:	HDPE, Diameter = 1,33 +/-0,1mm
Outer Diameter:	7,4mm +/-0,2
Sheath material:	WR-LSZH (low Smoke zero Halogen), UV Resistance, Water Resistance, RoHS
Drain Wire:	No
Pairwise Shield:	Al-pet shield, Coverage >115%
Overall Shield:	Braided TCCA 0,12x +/-0,008 x 8 x 6. Coverage 30% +/-5
Sheath Color:	Black
Sheath printing:	Letter hight 3,0mm +/-0,3 "Description + batchno. + meter marking"
Core Color pair 1:	White / blue
Core Color pair 2:	White / Orange
Core Color pair 3:	White / Green
Core Color pair 4:	White / brown

Electrical Characteristics (at 20°C)

Impedance :	1-100Mhz: 100Ω +/-15 - 100-250Mhz: 100Ω +/-20 - 250-600Mhz: 100Ω +/-25 600-1000Mhz: 100Ω +/-30
DC Resistance :	< 85,6Ω/1Km
Velocity ration (NVP) :	76%
High Voltage Test :	2,5KV/DC 2 sec.



InfraLan Cable S/FTP Cat.7 LSZH, In/outdoor Class D,s2,d2,a1

DK-ICIO7SFTP-X

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	Att. (20°C) dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
4,0	23,01	3,74	78,00	75,00	78,00	75,00
10,0	25,00	5,86	78,00	75,00	75,30	72,30
16,0	25,00	7,41	78,00	75,00	71,22	68,22
31,25	23,64	10,41	78,00	75,00	65,40	62,40
62,50	21,54	14,88	75,46	72,46	59,38	56,38
100,0	20,11	19,02	72,40	69,40	55,30	52,30
250,0	17,30	30,97	66,43	63,43	47,34	44,34
500,0	17,30	45,26	61,92	58,92	41,32	38,32
600,0	17,30	50,10	60,73	57,73	39,74	36,74
900,0	15,50	63,01	58,09	55,09	36,22	33,22
1000,0	15,10	66,93	57,40	54,40	35,30	32,30

Package Information

500 mtr. drum: Dimension: OD/ID 40/35 x 15cm Wodden drum with label

Netto weight: 28 kg

Brutto weight: 35 kg

Ordering Information

Order no.	EAN	Description	Color	Packsize
DK-ICIO7SFTP-500	5705721138111	Installation Cable Cat.7, S/FTP, LSZH, Class Dca IN/OUTDOOR	Black	500 mtr.
DK-ICIO7SFTP-1	5705721145119	Installation Cable Cat.7, S/FTP, LSZH, Class Dca IN/OUTDOOR	Black	1 mtr.