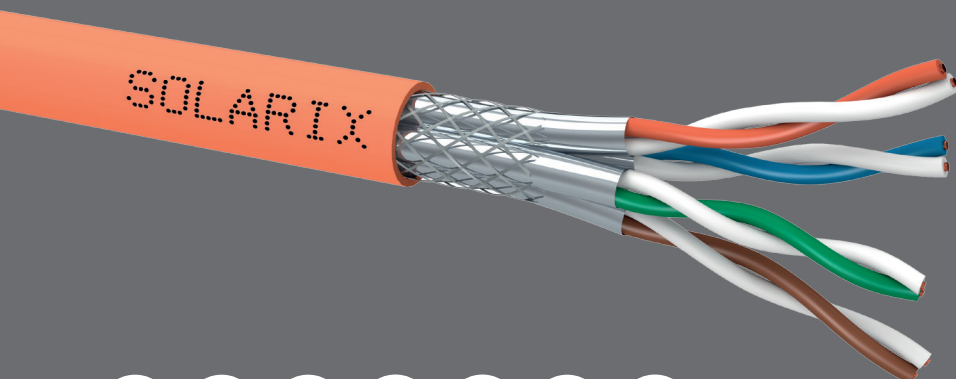


Installation cable Solarix CAT7 SSTP LSOH C_{ca}-s1a,d1,a1



Product number:
27000007

Type number:
SXKD-7-SSTP-LSOH

EAN barcode:
8595684701036



Key features

- High quality double shielded category 7/Class F installation cable tested up to 1 000 MHz
- Designed for the 10GBASE-T high-speed ethernet protocol
- S/FTP cable construction
- Due to the double shielding excellent resistance to alien crosstalk
- LSOH sheath with C_{ca}-s1a,d1,a1 reaction to fire class
- Cable conductors are made of high-quality copper wire with 99.97% purity
- The cable meets the ISO/IEC 11801 and EN 50173 cabling standards
- Its electrical performance has been authorized by the FORCE TECHNOLOGY independent testing laboratory in the EC VERIFIED certification program
- As for the EU CPR regulation (i.e. no. 305/2011), the cable has been tested by the FORCE CERTIFICATION A/S laboratory in the AVCP 1+ system

Fire classification

Reaction to fire class	C_{ca}-s1a,d1,a1
Assessment and verification	AVCP 1+ system
Notified body	0200 FORCE CERTIFICATION A/S
Declaration of performance	M401-SXKD-7-SSTP-LSOH-C_{ca}-01
Sheath type	LSOH
Sheath standards	EN 60332-1-1, EN 60332-1-2, EN 60754-2, EN 61034-1, EN 61034-2, EN 50575

Cabling standards

General standards	EN 50173-1, EN 50173-2, ISO/IEC 11801-1, ISO/IEC 11801-2
Product standards	EN 50288-4-1, IEC 61156-5
Tested bandwidth	1 000 MHz
Testing authority	FORCE TECHNOLOGY
Certification program	EC VERIFIED, Component Level

Supported protocols

	10BASE-T	100BASE-TX	1000BASE-T	2.5GBASE-T	5GBASE-T	10GBASE-T
Supported by the SXKD-7-SSTP-LSOH cable	YES	YES	YES	YES	YES	YES



Supported PoE types

	802.3af	802.3at	802.3bt	802.3bt
PoE type	Type 1	Type 2	Type 3	Type 4
Maximum current	350 mA	600 mA	600 mA	960 mA
No. of pairs used	2	2	4	4
Supported by the SXKD-7-SSTP-LSOH cable	YES	YES	YES	YES

Physical parameters

Cable construction	S/FTP
Number of pairs	4
Pairs colouring	orange, blue, green, brown
Shielding	overall braid and individual foil around each pair (PiMF)
Foil material	Al/Mylar
Braid material	tinned copper wire \varnothing 0.10 mm
Braid coverage	$\geq 30\%$
Conductor type and size	copper wire \varnothing 0.57 mm \pm 0.005 mm (AWG 23)
Conductor insulation	skin-foam-skin PE
Conductor diameter with insulation	1.33 mm \pm 0.05 mm
Conductor material	copper with 99.97% purity
Sheath thickness	0.55 mm \pm 0.05 mm
Sheath colour	orange RAL 2003
Cable diameter	7.6 mm \pm 0.5 mm
Net cable weight	56.7 kg/km

Electrical parameters

NVP	79%
Propagation delay	480 ns/100 m
Delay skew	≤ 25 ns/100 m
Dielectric strength	1 kV DC or 0.7 kV AC for 1 min, or 2.5 kV DC or 1.7 kV AC for 2 s
Insulation resistance	$\geq 5\,000$ M Ω x km
Resistance imbalance	$\leq 2\%$

Electrical parameters of Solarix shielded category 7 cables (at 20 °C).

f	Attenuation	NEXT	PSNEXT	Prop. Delay	ACR-F	PSACR-F	Return Loss
(MHz)	(dB/100m)	(dB)	(dB)	(ns/100m)	(dB/100m)	(dB/100m)	(dB)
1	1.96	98.22	96.47	479.69	92.01	89.29	32.15
4	3.55	98.45	96.63	462.20	94.10	90.15	34.86
8	4.92	99.07	95.11	457.08	92.04	87.80	36.92
10	5.49	98.60	95.06	455.77	89.01	86.57	40.24
16	7.01	99.49	96.52	453.46	87.03	83.49	39.79
20	7.91	97.23	95.86	452.53	88.22	85.63	42.29
25	8.92	97.96	95.89	451.71	84.24	81.75	41.44
31,25	10.05	98.64	96.82	450.97	83.40	81.59	41.75
62,5	14.39	96.18	93.18	449.14	78.01	74.47	36.67
100	18.22	97.26	93.39	448.21	75.83	71.53	37.54
200	26.02	96.49	94.12	447.18	60.74	57.83	33.34
250	29.18	95.04	91.54	446.92	61.21	57.76	37.69
300	32.10	92.84	90.28	446.73	58.66	55.13	29.27
400	37.50	91.83	89.70	446.46	43.60	41.58	30.36
500	42.18	94.49	91.54	446.27	42.92	39.76	27.87
600	44.19	83.14	81.92	446.07	43.51	41.25	25.62
1 000	59.32	67.34	65.20	444.93	38.05	35.07	22.33



Installation and storage

Min. bending radius during installation	4x cable diameter
Max. tensile strength	100 N (4x 25 N/pair)
Segregation classification	type d according to EN 50174-2
Temperature during installation	0 to 50 °C
Operating temperature	-20 to 60 °C
Storage temperature	-20 to 60 °C


Logistic parameters

Length	500 m/reel
Number of reels per pallet	27
Reel size (Ø x v)	380 x 390 mm
Pallet dimensions (w x d x h)	1140 x 1140 x 1280 mm
Pallet weight	850 kg
Batch and product numbers barcode	IDAutomation Code 39, ANSI/ISO/AIM specification
EAN barcode	EAN-13

Cable label

CE
0200

Product Code:
Kód produktu:
Kod výrobu:



* 2 7 0 0 0 0 7 *

Batch No.:
Číslo šarže:
Numer partii:



* 1 0 1 7 1 6 4 5 *

SOLARIX

INTELEK LTD, Dimophontos 1, Lamda Tower
1075 Nicosia, CY, HE 438609
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DoP: M401-SXKD-7-SSTP-LSOH-Cca-01

EN 50575:2014 including A1:2016

SXKD-7-SSTP-LSOH
Installation Cable/Instalační kabel/Kabel instalacyjny
Solarix CAT7 SSTP LSOH C_{ca}-s1a,d1,a1 500m



8 595684 701036

Electric cable intended for supply of communication in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke./Kabel určený pro komunikaci v budovách a dalších inženýrských stavbách s cílem omezení vzniku a šíření požáru a kouře./Kabel przeznaczony do komunikacji w budynkach i innych obiektach budowlanych w celu ograniczenia powstawania oraz rozprzestrzeniania się ognia i dymu.

Reaction to Fire/Reakce na oheň/Reakcja na ogień: C_{ca}-s1a,d1,a1
Dangerous Substances/Nebezpečné látky/Niebezpieczne substancje: NPD

Solarix warranties

Standard warranty	5 years
System warranty	30 years

RoHS and REACH

RoHS	does not contain any of the substances listed in Annex II of the EU directive no. 2015/863
REACH	does not contain any of the substances from the ECHA list





We recognize the importance of regular checks of Solarix products that customers use in their networks. That is why we have the electrical parameters of our cables and connecting hardware tested by independent laboratories. Certificates issued by these authorities are an important part of our Solarix product support and guarantee products reliability to our customers. This is also true for the SXXD-7-SSTP-LSOH cable, which has been tested by the FORCE TECHNOLOGY laboratory as part of the EC VERIFIED certification program.

Related products

Product Number	Type Number	Description
24000100	SX24M-0-STP-BK-UNI-N	Unloaded Patch panel Solarix 24 port Black 1U
25286902	SXKJ-10G-STP-BK-SA	10G Keystone Solarix CAT6A STP RJ45 Black Toolless
25286903	SXKJ-10G-STP-BK-NA	10G Keystone Solarix CAT6A STP Black
25286912	SXKJ-10G-STP-BK-SA	MULTIPACK 24 pcs - 10G Keystone Solarix CAT6A STP Toolless
25286913	SXKJ-10G-STP-BK-NA	MULTIPACK 24 pcs - 10G Keystone Solarix CAT6A STP Black
28770059	C6A-315GY-0,5MB	10G Patch Cable CAT6A SFTP LSOH 0,5m Grey Non-Snag-Proof
28770109	C6A-315GY-1MB	10G Patch Cable CAT6A SFTP LSOH 1m Grey Non-Snag-Proof
28770209	C6A-315GY-2MB	10G Patch Cable CAT6A SFTP LSOH 2m Grey Non-Snag-Proof
28770309	C6A-315GY-3MB	10G Patch Cable CAT6A SFTP LSOH 3m Grey Non-Snag-Proof
28770509	C6A-315GY-5MB	10G Patch Cable CAT6A SFTP LSOH 5m Grey Non-Snag-Proof
28770709	C6A-315GY-7MB	10G Patch Cable CAT6A SFTP LSOH 7m Grey Non-Snag-Proof
28771009	C6A-315GY-10MB	10G Patch Cable CAT6A SFTP LSOH 10m Grey Non-Snag-Proof
28771509	C6A-315GY-15MB	10G Patch Cable CAT6A SFTP LSOH 15m Grey Non-Snag-Proof
28772009	C6A-315GY-20MB	10G Patch Cable CAT6A SFTP LSOH 20m Grey Non-Snag-Proof

