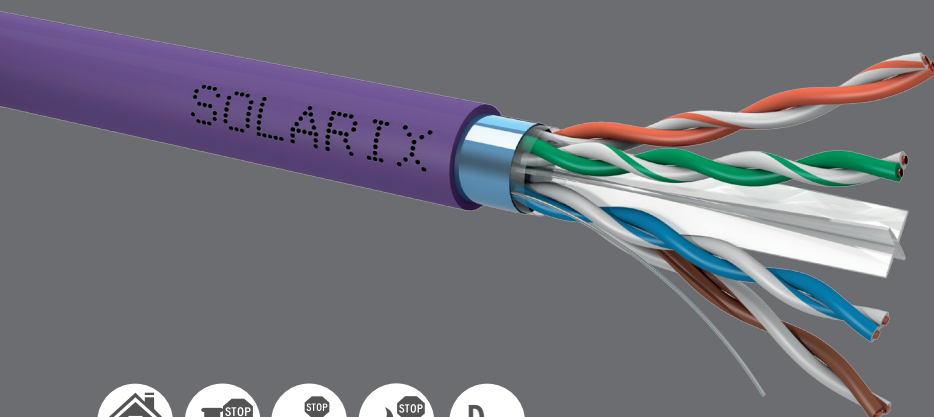


Installation cable Solarix CAT6 FTP LSOH D_{ca}-s2,d2,a1



Product number:
26000005

Type number:
SXKD-6-FTP-LSOH

EAN barcode:
8595684701159



Key features

- High quality shielded category 6/Class E installation cable
- Designed for ethernet protocols, including 2.5GBASE-T and 5GBASE-T
- F/UTP cable construction
- Due to the plastic cross separator excellent resistance to crosstalk between pairs
- LSOH sheath with D_{ca}-s2,d2,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, EN 50173, and ANSI/TIA 568.2-D cabling standards
- As for the EU CPR regulation (i.e. no. 305/2011), the cable has been tested by the FORCE TECHNOLOGY laboratory in the AVCP 3 system

Fire classification

Reaction to fire class	D _{ca} -s2,d2,a1
Assessment and verification	AVCP 3 system
Notified body	0199 FORCE TECHNOLOGY
Declaration of performance	M204-SXKD-6-FTP-LSOH-Dca-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, ANSI/TIA 568.2-D
Product standards	EN 50288-5-1, IEC 61156-5

Supported protocols

	10BASE-T	100BASE-TX	1000BASE-T	2.5GBASE-T	5GBASE-T
Supported by the SXKD-6-FTP-LSOH cable	YES	YES	YES	YES	YES



Supported PoE types

	802.3af	802.3at
PoE type	Type 1	Type 2
Maximum current	350 mA	600 mA
No. of pairs used	2	2
Supported by the SXKD-6-FTP-LSOH cable	YES	YES

Physical parameters

Cable construction	F/UTP
Number of pairs	4
Pairs colouring	orange, blue, green, brown
Shielding	overall foil
Foil material	Al/Mylar
Conductor type and size	copper wire $\varnothing 0.565 \text{ mm} \pm 0.005 \text{ mm}$ (AWG 23)
Conductor insulation	HDPE
Conductor diameter with insulation	$1.12 \text{ mm} \pm 0.05 \text{ mm}$
Conductor material	copper with 99.97% purity
Sheath thickness	$0.60 \text{ mm} \pm 0.05 \text{ mm}$
Sheath colour	purple RAL 4005
Cable diameter	$7.4 \text{ mm} \pm 0.5 \text{ mm}$
Ground wire	tinned copper wire $\varnothing 0.45 \text{ mm} \pm 0.005 \text{ mm}$
Net cable weight	54.8 kg/km

Electrical parameters

NVP	69%
Propagation delay	535 ns/100 m
Delay skew	$\leq 45 \text{ ns/100 m}$
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	$\geq 5 \text{ 000 M}\Omega \times \text{km}$
Resistance imbalance	$\leq 2\%$

Electrical parameters of Solarix shielded category 6 cables (at 20 °C).

f (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PSACR-F (dB/100m)	Return Loss (dB)
1	1.75	87.20	83.63	534.95	87.93	83.01	27.75
4	3.51	76.90	77.80	528.37	71.52	70.01	34.81
8	5.00	71.57	68.79	523.19	63.49	62.18	36.74
10	5.60	70.42	68.36	521.88	61.32	60.05	37.94
16	7.12	67.36	65.25	519.54	63.64	61.87	37.03
20	8.00	65.44	61.39	518.61	57.13	56.48	38.16
25	8.96	61.46	60.40	517.77	53.56	52.99	35.84
31.25	10.05	59.02	58.49	517.03	56.37	52.51	35.69
62.5	14.41	57.38	56.03	515.18	48.64	45.33	31.60
100	18.28	59.26	57.21	514.24	43.97	42.13	32.86
200	26.24	52.37	49.45	513.21	36.61	35.86	23.74
250	29.50	57.47	53.41	512.94	39.59	35.94	22.54

Installation and storage

Min. bending radius during installation	4x cable diameter
Max. tensile strength	100 N (4x 25 N/pair)
Segregation classification	type c 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	36 (large pallet), 27 (small pallet)
Reel size (Ø x v)	380 mm x 320 mm
Pallet dimensions (w x d x h)	1140 mm x 1140 mm x 1400 mm (large pallet) 1140 mm x 1140 mm x 1080 mm (small pallet)
Pallet weight	1082 kg (large pallet), 817 kg (small pallet)
Batch and product numbers barcode	IDAutomation Code 39, ANSI/ISO/AIM specification
EAN barcode	EAN-13

Cable label

CE
0199

Product Code:
Kód produktu:
Kod výrobu:

Batch No.:
Číslo šarže:
Numer partii:

SOLARIX

INTELEK.CZ s.r.o., Olivova 2096/4,
Nové Město, 110 00 Praha 1, Czech Republic
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DoP: M204-SXKD-6-FTP-LSOH-Dca-01

EN 50575:2014 including A1:2016

SXKD-6-FTP-LSOH

Installation Cable/Instalační kabel/Kabel instalacyjny
Solarix CAT6 FTP LSOH D_{ca}-s2,d2,a1 500m

8 595684 701159

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 rozprzestrzenienia się ognia i dymu.

Reaction to Fire/Reakce na oheň/Reakcja na ogień: D_{ca}-s2,d2,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



Related products

Product Number	Type Number	Description
24000147	SX24HD-6-STP-SL	Patch panel Solarix 24x RJ45 CAT6 STP 0,5U
24200244	SX24HDM-0-STP-SL-UNI	Unloaded Patch panel Solarix 24 port Stainless 0,5U
24200124	SX24-6-STP-BK	Patch panel Solarix 24x RJ45 CAT6 STP Black 1U
24000100	SX24M-0-STP-BK-UNI-N	Unloaded Patch panel Solarix 24 port Black 1U
25286602	SXKJ-6-STP-BK	Keystone Solarix CAT6 STP RJ45 Black
25286802	SXKJ-6-STP-BK-SA	Keystone Solarix CAT6 STP RJ45 Black Toolless
25286812	SXKJ-6-STP-BK-SA	MULTIPACK 24 pcs – Keystone Solarix CAT6 STP RJ45 Black Toolless
25286804	SXKJ-6-STP-BK-NA	Keystone Solarix CAT6 STP RJ45 Black for SXKJ-NA-BU
25286814	SXKJ-6-STP-BK-NA	MULTIPACK 24 pcs – Keystone Solarix CAT6 STP RJ45 Black
23100094	SX9-2-6-STP-WH	Outlet Solarix CAT6 STP 2x RJ45 Wall-Mount White
23100098	SX9-1-6-STP-WH	Outlet Solarix CAT6 STP 1x RJ45 Wall-Mount White
11238906	KRJS45/6SLD	Modular Plug 8p8c CAT6 Shielded for Solid Cable
11910001	SXRJ45-6-STP-BK-SA	Universal Industrial Plug RJ45 CAT6 STP Toolless
13180091	KRJS45-VEB6	Connection Box CAT6 STP 8p8c LSA+/Krone