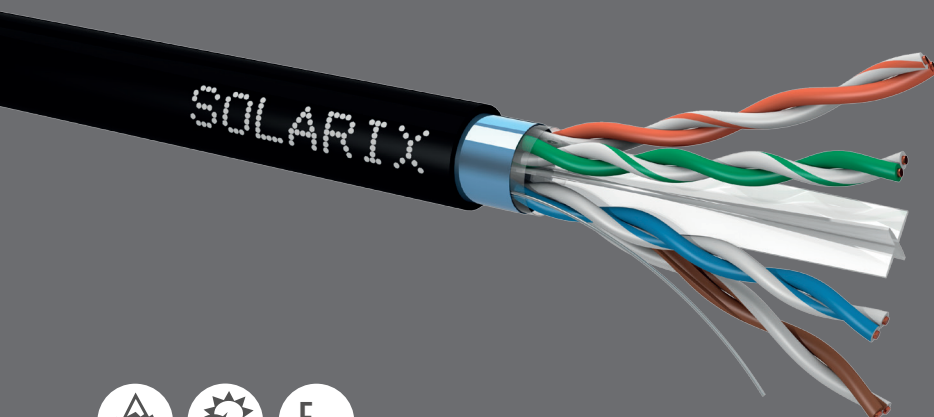


# Installation cable Solarix CAT6 FTP PE

F<sub>ca</sub>



Product number:  
27655194

Type number:  
SXKD-6-FTP-PE

EAN barcode:  
8595684701302



## Key features

- High quality shielded category 6/Class E installation cable for outdoor use
- 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
- PE sheath with the F<sub>ca</sub> reaction to fire class, UV resistant, IP 67 ingress protection
- 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

## Fire classification

Reaction to fire class	F <sub>ca</sub>
Assessment and verification	AVCP 4 system
Declaration of performance	M206-SXKD-6-FTP-PE-Fca-01
Sheath type	PE, UV resistant

## 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-PE 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-PE 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 mm $\pm$ 0.005 mm (AWG 23)
Conductor insulation	HDPE
Conductor diameter with insulation	1.12 mm $\pm$ 0.05 mm
Conductor material	copper with 99.97% purity
Sheath thickness	0.60 mm $\pm$ 0.05 mm
Ingress protection	IP 67
Sheath colour	black RAL 9005
Cable diameter	7.4 mm $\pm$ 0.5 mm
Ground wire	tinned copper wire $\varnothing$ 0.45 mm $\pm$ 0.005 mm
Net cable weight	47.2 kg/km

## Electrical parameters

NVP	69%
Propagation delay	535 ns/100 m
Delay skew	$\leq$ 45 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 $\Omega$ x 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 70 °C
Storage temperature	-20 to 70 °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	945 kg (large pallet), 715 kg (small pallet)
Batch and product numbers barcode	IDAutomation Code 39, ANSI/ISO/AIM specification
EAN barcode	EAN-13

## Cable label

**CE**

Product Code:   
Kód produktu: \* 2 7 6 5 5 1 9 4 \*  
Kod výroby:

Batch No.:   
Číslo šarže: \* 1 0 1 7 1 6 4 5 \*  
Numer partii:

**SOLARIX**

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INTELEK LTD, Dimophontos 1, Lamda Tower  
1075 Nicosia, CY, HE 438609  
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DoP: M206-SXKD-6-FTP-PE-Fca-01

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EN 50575:2014 including A1:2016

**SXKD-6-FTP-PE**

Installation Cable/Instalační kabel/Kabel instalacyjny  
Solarix CAT6 FTP PE F<sub>ca</sub> 500m

  
8 595684 701302

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: F<sub>ca</sub>  
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