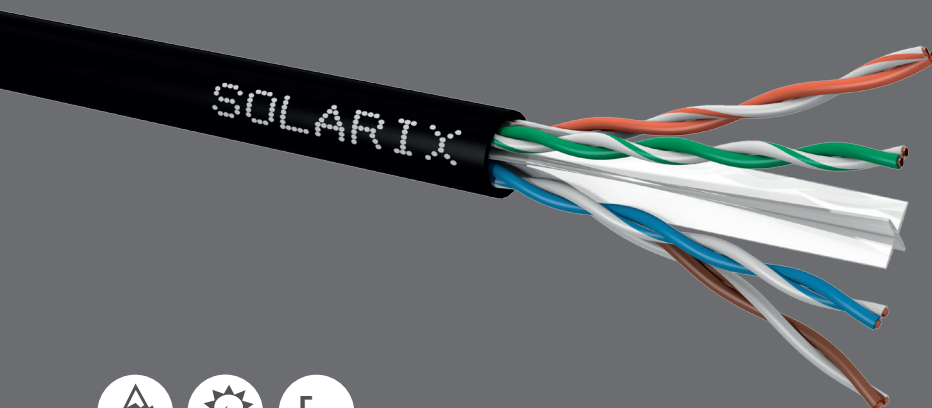


Installation cable Solarix CAT6 UTP PE

F_{ca}



Product number:
27655193

Type number:
SXKD-6-UTP-PE

EAN barcode:
8595684701296



Key features

- High quality unshielded category 6/Class E installation cable
- Designed for ethernet protocols, including 2.5GBASE-T and 5GBASE-T
- U/UTP cable construction
- Due to the plastic cross separator excellent resistance to crosstalk between pairs
- PE sheath with F_{ca} 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-E cabling standards

Fire classification

Reaction to fire class	F _{ca}
Assessment and verification	AVCP 4 system
Declaration of performance	M205-SXKD-6-UTP-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-E
Product standards	EN 50288-6-1, IEC 61156-5

Supported protocols

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

Physical parameters

Cable construction	U/UTP
Number of pairs	4
Pairs colouring	orange, blue, green, brown
Conductor type and size	copper wire \varnothing 0.55 mm \pm 0.005 mm (AWG 23)
Conductor insulation	HDPE
Conductor diameter with insulation	0.98 mm \pm 0.05 mm
Conductor material	copper with 99.97% purity
Sheath thickness	0.55 mm \pm 0.05 mm
Sheath material	LLDPE, UV resistant
Ingress protection	IP 67
Sheath colour	black RAL 9005
Cable diameter	6.3 mm \pm 0.5 mm
Net cable weight	37.5 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 Ω x km
Resistance imbalance	\leq 2%

Electrical parameters of Solarix unshielded 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 b 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)	370 mm x 320 mm
Pallet dimensions (w x d x h)	1140 mm x 1120 mm x 1400 mm (large pallet) 1140 mm x 1120 mm x 1080 mm (small pallet)
Pallet weight	757 kg (large pallet), 573 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:
Kod výroby:



Batch No.:
Číslo šarže:
Numer partii:




SOLARIX

INTELEK LTD
Ericha Roučky 1291/4, 627 00 Brno, CZ
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DoP: M205-SXKD-6-UTP-PE-Fca-01

EN 50575:2014 including A1:2016

SXKD-6-UTP-PE
Installation Cable/Instalační kabel/Kabel instalacyjny
Solarix CAT6 UTP PE F_{ca} 500m



8 595684 701296

Product info/Info o produktu/Info o produkcie:
www.solarix.info, info@solarix.info
+420 840 505 555

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_{ca}
Dangerous Substances/Nebezpečné látky/Niebezpieczne substancje: NPĐ

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
24000146	SX24HD-6-UTP-BK	Patch panel Solarix 24x RJ45 CAT6 UTP 0.5U
24200244	SX24HDM-0-STP-SL-UNI	Unloaded Patch panel Solarix 24 port Stainless 0.5U
24000050	SX24L-6-UTP-BK-N	Patch panel Solarix 24x RJ45 CAT6 UTP 1U
24200024	SX24-6-UTP-BK	Patch panel Solarix 24x RJ45 CAT6 UTP 350 MHz Black
24000100	SX24M-0-STP-BK-UNI-N	Unloaded Patch panel Solarix 24 port Black 1U
25286601	SXKJ-6-UTP-BK	Keystone Solarix CAT6 UTP RJ45 Black
25286801	SXKJ-6-UTP-BK-SA	Keystone Solarix CAT6 UTP RJ45 Black Toolless
25286811	SXKJ-6-UTP-BK-SA	MULTIPACK 24 pcs - Keystone Solarix CAT6 UTP RJ45 Toolless
25286803	SXKJ-6-UTP-BK-NA	Keystone Solarix CAT6 UTP RJ45 Black for SXKJ-NA-BU
25286813	SXKJ-6-UTP-BK-NA	MULTIPACK 24 pcs - Keystone Solarix CAT6 UTP RJ45 Black
23100093	SX9-2-6-UTP-WH	Outlet Solarix CAT6 UTP 2x RJ45 Wall-Mount White
23100097	SX9-1-6-UTP-WH	Outlet Solarix CAT6 UTP 1x RJ45 Wall-Mount White
11238905	KRJ45/6SLD	Modular Plug 8p8c CAT6 Unshielded for Solid Cable
11910001	SXRJ45-6-STP-BK-SA	Universal Industrial Plug RJ45 CAT6 STP Toolless
13180090	KRJ45-VEB6	Connection Box CAT6 UTP 8p8c LSA+/Krone