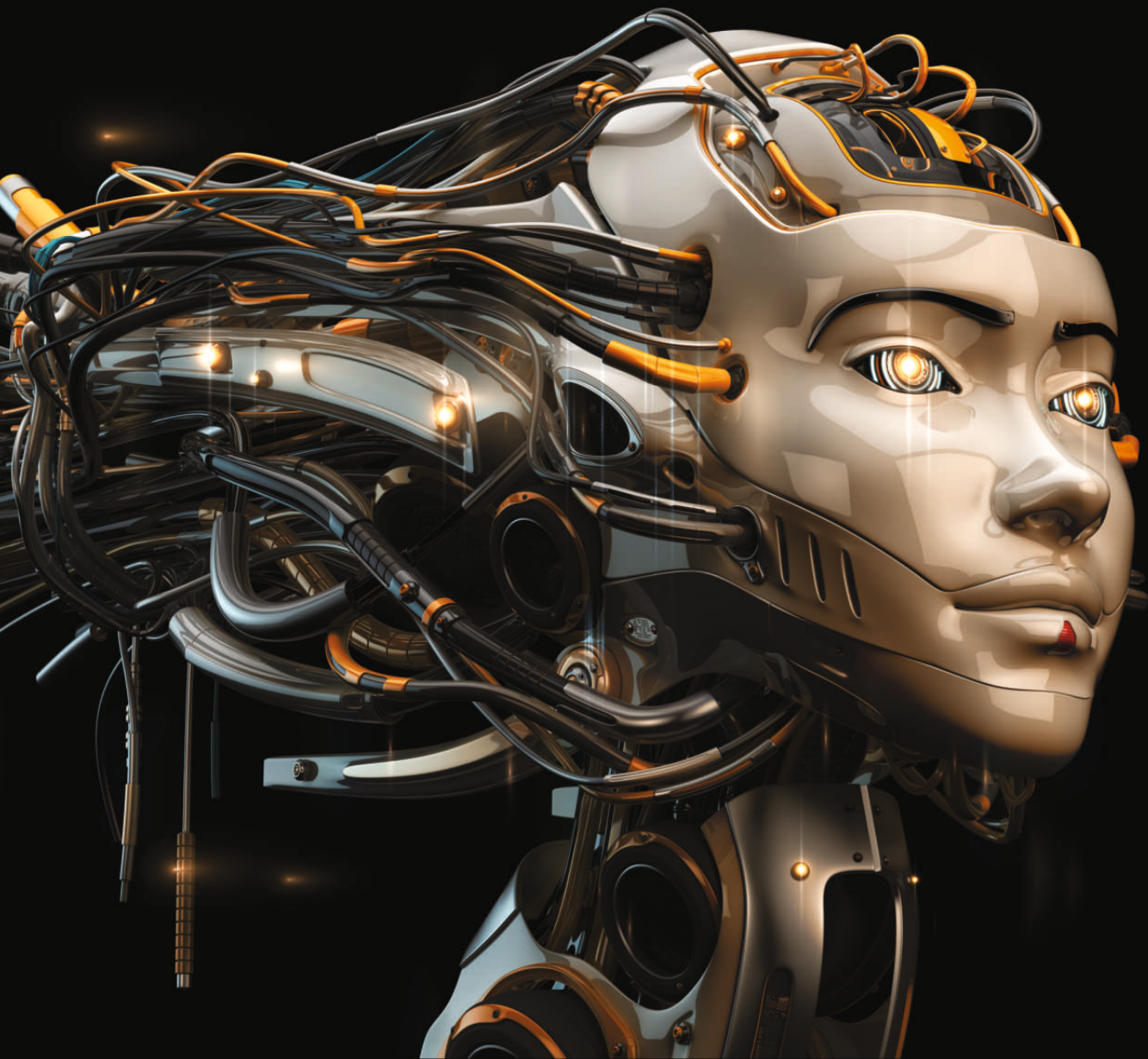
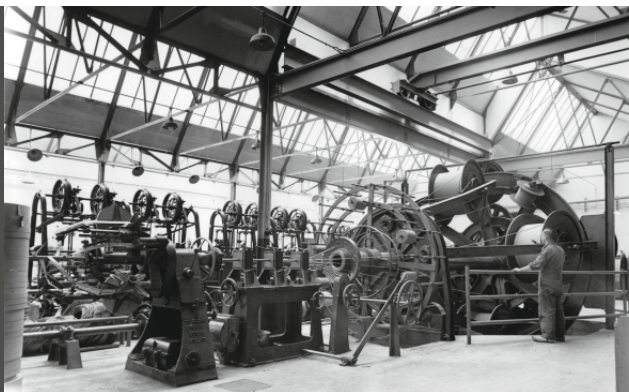
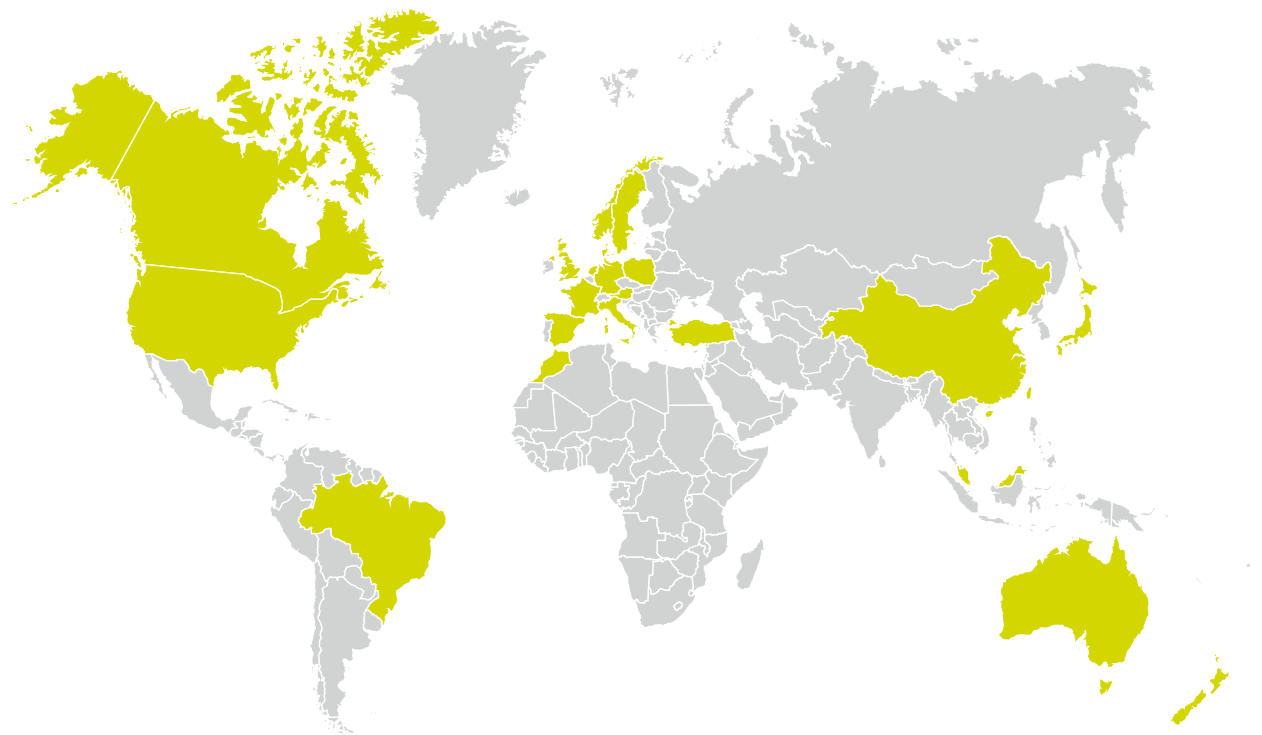




C A B L E C A T A L O G



TKH Group NV (Twentsche Kabel Holding NV) is one of the leading companies in the world in the field of the cables production. The beginning of TKH Group dates from 1930, when TKF specialized in cables production, established its business. One of the first orders of TKF was the production of medium voltage cables, soon followed by new products: paper insulated power cables and telephone cables, which in the fifties TKF began to export to many neighboring countries.

The acquisition of Dutch and German manufacturers of electrical equipment accelerated the development of the company and helped to transform into Twentsche Kabel Holding NV.

TKH following the trends of the market, puts great emphasis on the production of data and fiber optic cables.

This is underlined by the fact that, as one of the few manufacturers in the world, TKH controls the entire production process of fiber optics.

TKH currently operates in 24 countries, with 70 branch offices and employs 4802 workers around the world.

The headquarters is located in Haaksbergen (Netherlands).



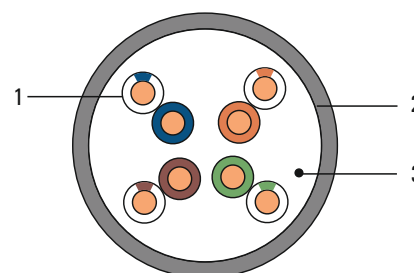
INDEX

I Indoor twisted pair cables	5
5e U/UTP	5
5e U/UTP LSZH	6
5e F/UTP	7
5e F/UTP LSZH	8
6 U/UTP	9
6 U/UTP LSZH	10
6 F/UTP	11
6 F/UTP LSZH	12
6A U/UTP LSZH	13
6A U/FTP LSZH	14
6A F/FTP LSZH	15
6A S/FTP LSZH	16
7 S/FTP LSZH	17
7A S/FTP LSZH	18
II Outdoor twisted pair cables – jelly filled	19
5e U/UTP	19
5e F/UTP	20
6 U/UTP	21
6 F/UTP	22
6A F/UTP	23
III Outdoor twisted pair cables – dry	24
5e U/UTP	24
5e F/UTP	25
6 U/UTP	26
6 F/UTP	27
6A F/UTP	28
IV Table of packages	29

5e U/UTP



1. Conductor
2. Sheath
3. Rip-cord



Cat. No.: SEC5EUTP

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (unshielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. It has an outer coating of PVC. The cable meets requirements of structured cabling ISO / IEC 11801, EIA / TIA 568- C.2, EN50173.

- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e U/UTP

TECHNICAL DATA:

construction: 4x2
 conductor core: 0,5 mm
 execution core: copper wire [Cu]
 insulation core: HDPE 0,87 mm
 thickness: 0,5 mm
 nominal diameter: 5 mm PVC
 characteristic impedance 1-100 MHz: 100 Ω
 max. resistance 1-100 MHz: 9,5 (Ω/100 m)

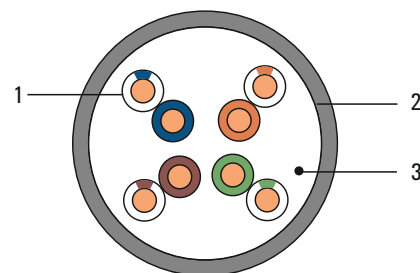
operating temperature: from -20°C to +60° C
 installation temperature: from 0°C to +50°C
 NVP: 68 %
 Delay Skew (ns/100m): ≤ 45
 minimum bendig radius: 8 x diameter
 color: RAL 9003
 CPR Class: Eca

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	2,0	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17,0	22,0
Return loss ≥ dB/100 m	20,0	23,0	24,5	25,0	25,0	25,0	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ACR-F ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PS-ACR ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

5e U/UTP LSZH



1. Conductor
2. Sheath
3. Rip-cord



Cat. No.: SEC5EUTPLSZH-B2CA, SEC5EUTPLSZH-CCA, SEC5EUTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (unshielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc. Which may not be exposed to electromagnetic disturbance. It has an outer coating of LSZH. The cable meets requirements of structured cabling: ISO/IEC11801, TIA-568-C.2, EN 50173

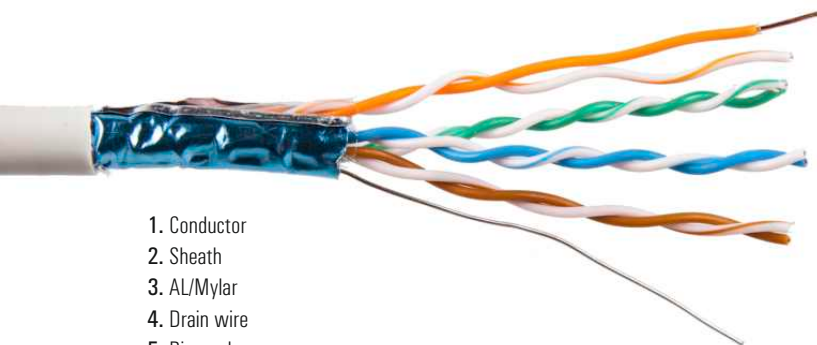
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 5e U/UTP

TECHNICAL DATA:

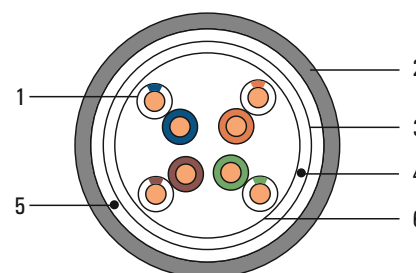
construction:	4x2	installation temperature:	from 0°C to +50°C
conductor core:	0,5 mm	NVP:	68%
execution core:	copper wire (Cu)	Delay Skew (ns/100m):	≤ 45
insulation core:	HDPE 0,87 mm	Minimum bending radius:	8 x diameter
thickness:	0,50 mm	color:	RAL 9010
nominal diameter:	5 mm LSZH	CPR class:	B2ca-s1a,d0,a1 Cca-s1a,d0,a1 Dca-s2,d1,a1
characteristic impedance 1-100 MHz:	100 Ω		
max. resistance 1-100MHz:	9,5 (Ω/100 m)		
operating temperature:	from -20°C to +60°C		

Transmission frequency	1	4	8	10	16	22	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	2,0	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17,0	22,0
Return loss ≥ dB/100 m	20,0	23,0	24,5	25,0	25,0	25,0	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ELFEXT ACR-F ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PS ELFEXT PS-ACR ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

5e F/UTP



1. Conductor
2. Sheath
3. AL/Mylar
4. Drain wire
5. Rip-cord
6. Mylar



Cat. No.: SEC5EFTP

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. F/UTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables are put in the same pathway with other power cable. It has an outer coating of PVC. The cable meets requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568- C.2, EN50173.

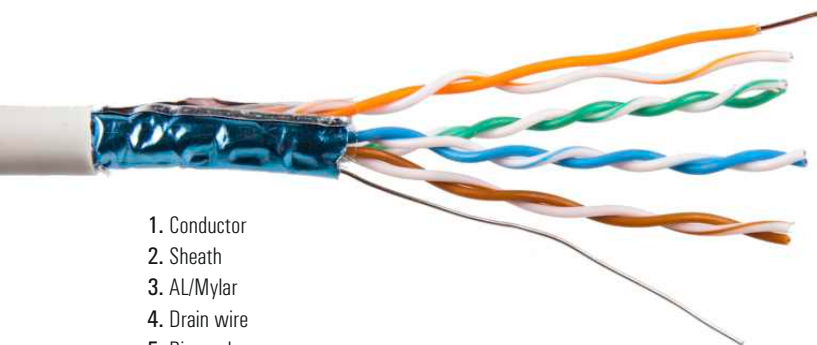
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e F/UTP

TECHNICAL DATA:

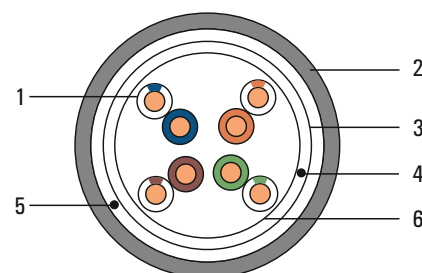
construction:	4x2	max. resistance 1-100 MHz:	9,5 (Ω/100m)
conductor core:	0,510 mm	operating temperature:	from -20°C to +60°C
execution core:	copper wire [Cu]	installation temperature:	from 0°C to +50°C
insulation core:	HDPE 1,02 mm	NVP:	68 %
screen:	aluminium foil	Delay Skew (ns/100m):	≤ 45
thickness:	0,55 mm	minimum bendig radius:	8 x diameter
nominal diameter:	6,3 mm PVC	color:	RAL 7035
characteristic impedance 1-100 MHz:	100 Ω	CPR class:	Eca

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	-	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17,0	22,0
Return loss ≥ dB/100 m	20,0	23,0	24,5	25,0	25,0	25,0	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ACR-F ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PS-ACR ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

5e F/UTP LSZH



1. Conductor
2. Sheath
3. AL/Mylar
4. Drain wire
5. Rip-cord
6. Mylar



Cat. No.: SEC5EFTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. F/UTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables are put in the same pathway with other power cable. It has an outer coating of LSZH. The cable meets requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568-C.2, EN50173.

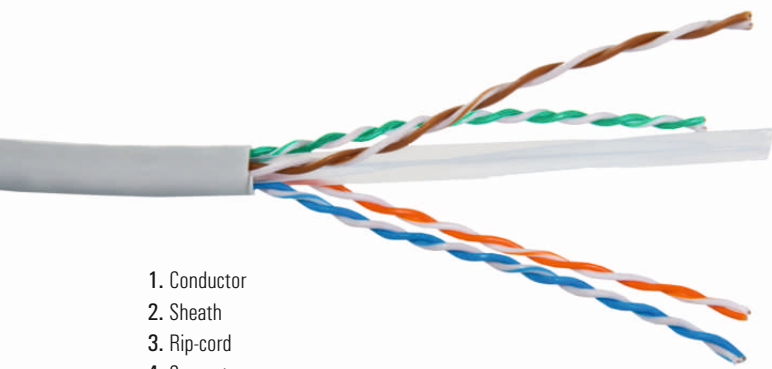
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e F/UTP

TECHNICAL DATA:

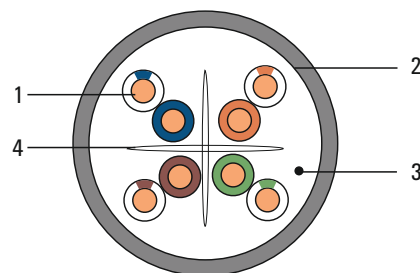
construction:	4x2	max. resistance 1-100 MHz:	9,5 (Ω/100m)
conductor core:	0,510 mm	operating temperature:	from -20°C to +60°C
execution core:	copper wire [Cu]	installation temperature:	from 0°C to +50°C
insulation core:	HDPE 1,02 mm	NVP:	68 %
screen:	aluminium foil	Delay Skew (ns/100m):	≤ 45
thickness:	0,55 mm	minimum bendig radius:	8 x diameter
nominal diameter:	6,3 mm LSZH	color:	RAL 7035
characteristic impedance 1-100 MHz:	100 Ω	CPR class:	Dca-s2,d2,a1

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	-	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17,0	22,0
Return loss ≥ dB/100 m	20,0	23,0	24,5	25,0	25,0	25,0	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ACR-F ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PS-ACR ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

6 U/UTP



1. Conductor
2. Sheath
3. Rip-cord
4. Separator



Cat. No.: SEC6UTP

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (unshielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. It has an outer coating of PVC. The cable meets requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568- C.2, EN 50173.

- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 U/UTP

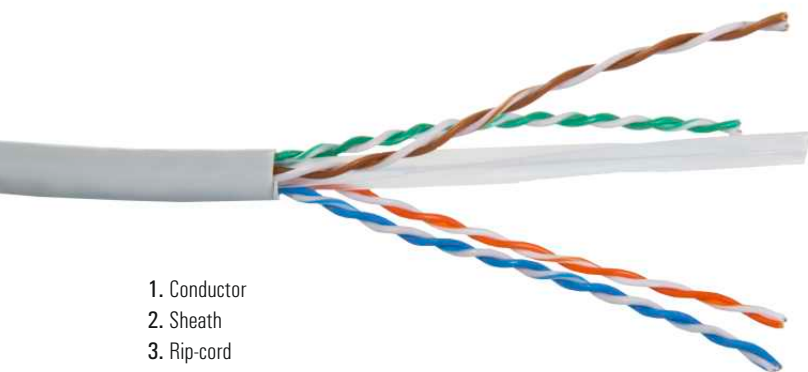
TECHNICAL DATA:

construction: 4x2
 conductor core: 0,55 mm
 execution core: copper wire [Cu]
 insulation core: HDPE 0,95 mm
 thickness: 0,55 mm
 nominal diameter: 5,8 mm PVC
 characteristic impedance 1-250 MHz: 100 Ω
 max. resistance 1-250 MHz: 9,5 (Ω/100m)

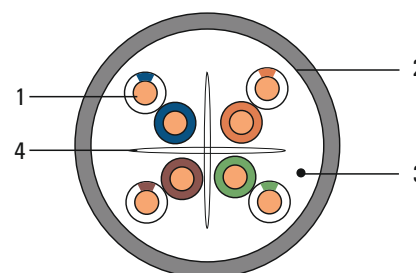
operating temperature: from -20°C to +60°C
 installation temperature: from 0°C to +50°C
 NVP: 68%
 Delay Skew (ns/100 m): ≤45
 bending radius: 8 x diameter
 pair separator: yes
 color: RAL 7035
 CPR class: Eca

Transmission frequency	1	4	10	16	20	31,25	62,5	100	200	250
NEXT ≥ dB/100 m	74,3	65,3	59,3	56,2	54,8	51,9	47,4	44,3	39,8	38,3
Attenuation ≤ dB/100 m	2	3,8	6	7,6	8,5	10,7	15,4	19,8	29	32,9
Return loss ≥ dB/100 m	20	23	25	25	25	23,6	21,5	20,1	18	17,3
PSNEXT ≥ dB/100 m	72,3	63,3	57,3	54,2	52,8	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	67,8	55,8	47,8	43,7	41,8	37,9	31,9	27,8	21,8	19,8
PSELFEXT ≥ dB/100 m	64,8	52,8	44,8	40,7	38,8	34,9	28,9	24,8	18,8	16,8
Opóźnienie ≤ ns/100 m	570	552	545	543	542	540	539	538	537	536

6 U/UTP LSZH



1. Conductor
2. Sheath
3. Rip-cord
4. Separator



Cat. No.: SEC6UTPLSZH-B2CA, SEC6UTPLSZH-CCA, SEC6UTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (unshielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc. Which may not be exposed to electromagnetic disturbance. It has an outer coating of LSZH. The cable meets requirements of structured cabling: ISO/IEC11801, TIA-568-C.2, EN 50173.

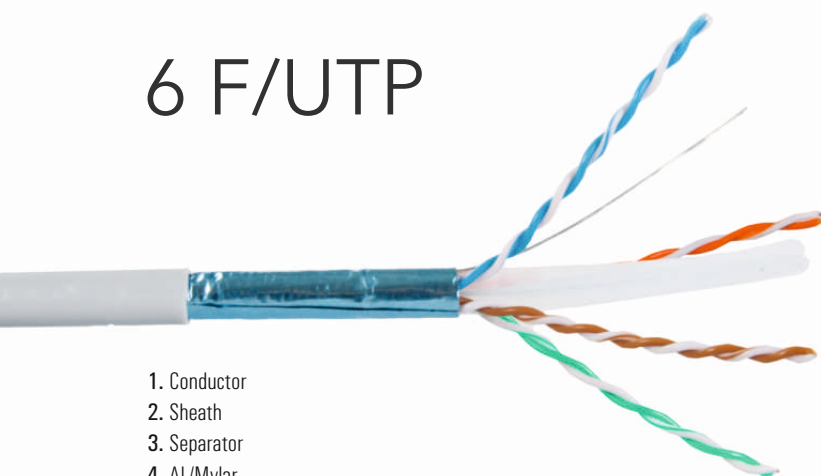
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6 U/UTP

TECHNICAL DATA:

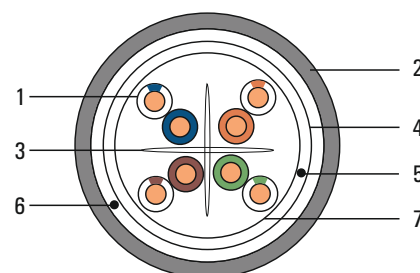
construction:	4x2	installation temperature:	from 0°C to +50°C
conductor core:	0,55 mm	NVP:	68%
execution core:	copper wire [Cu]	Delay Skew (ns/100 m):	≤45
insulation core:	HDPE 0,95 mm	bending radius:	8 x diameter
thickness:	0,55 mm	pair separator:	yes
nominal diameter:	5,8 mm LSZH	color:	RAL 7035
characteristic impedance 1-250 MHz:	100 Ω	CPR class:	B2ca-s1a,d1,a1
max. resistance 1-250 MHz:	9,5 (Ω/100m)		Cca-s1a,d1,a1
operating temperature:	from -20°C to +60°C		Dca-s2,d2,a1

Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	74,3	65,3	59,3	56,2	54,8	51,9	47,7	44,3	39,8	38,3
Attenuation ≤ dB/100 m	2	3,8	6	7,6	8,5	10,7	15,4	19,8	29	32,9
Return loss ≥ dB/100 m	20	23	25	25	25	23,6	21,5	20,1	18	7,3
PSNEXT ≥ dB/100 m	72,3	63,3	57,3	54,2	52,8	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	67,8	55,8	47,8	43,7	41,8	37,9	31,9	27,8	21,8	19,8
PSELFEXT ≥ dB/100 m	64,8	52,8	44,8	40,7	38,8	34,9	28,9	24,8	18,8	16,8
Delay ≤ ns/100 m	570	552	545	543	542	540	539	538	537	536

6 F/UTP



1. Conductor
2. Sheath
3. Separator
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



Cat. No.: SEC6FTP

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. F/UTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables are put in the same pathway with other power cable. It has an outer coating of PVC. The cable meets requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568- C.2, EN 50173.

- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 F/UTP

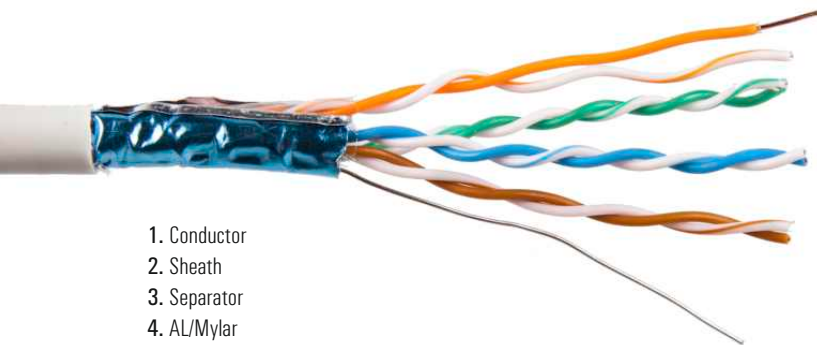
TECHNICAL DATA:

construction:	4x2
conductor core:	0,565 mm
execution core:	copper wire [Cu]
insulation core:	HDPE 1,12 mm
screen:	aluminium foil
thickness:	0,6 mm
nominal diameter:	7,4 mm PVC
characteristic impedance 1-250 MHz:	100 Ω
max. resistance 1-250 MHz:	9,5 (Ω/100 m)

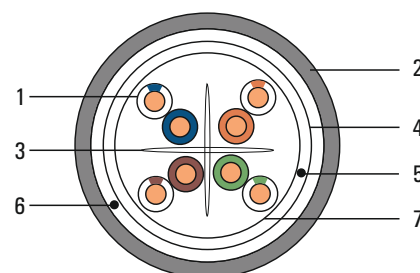
operating temperature:	from -20°C to +60°C
installation temperature:	from 0°C to +50°C
NVP:	68%
Delay Skew (ns/100 m):	≤ 45
bendig radius:	8 x diameter
pair separator:	yes
color:	RAL 7035
CPR class:	Eca

Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	74,3	65,3	59,3	56,2	54,8	51,9	47,7	44,3	39,8	38,3
Attenuation ≤ dB/100 m	-	3,8	6	7,6	8,5	10,7	15,4	19,8	29	32,9
Return loss ≥ dB/100 m	20	23	25	25	25	23,6	21,5	20,1	18	17,3
PSNEXT ≥ dB/100 m	72,3	63,3	57,3	54,2	52,8	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	67,8	55,8	47,8	43,7	41,8	37,9	31,9	27,8	21,8	19,8
PSELFEXT ≥ dB/100 m	64,8	52,8	44,8	40,7	38,8	34,9	28,9	24,8	18,8	16,8
Delay ≤ ns/100 m	570	552	545	543	542	540	539	538	537	536

6 F/UTP LSZH



1. Conductor
2. Sheath
3. Separator
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



Cat. No.: SEC6FTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc. Which may not be exposed to electromagnetic disturbance. It has an outer coating of LSZH. The cable meets requirements of structured cabling: ISO/IEC11801, TIA-568-C.2, EN 50173

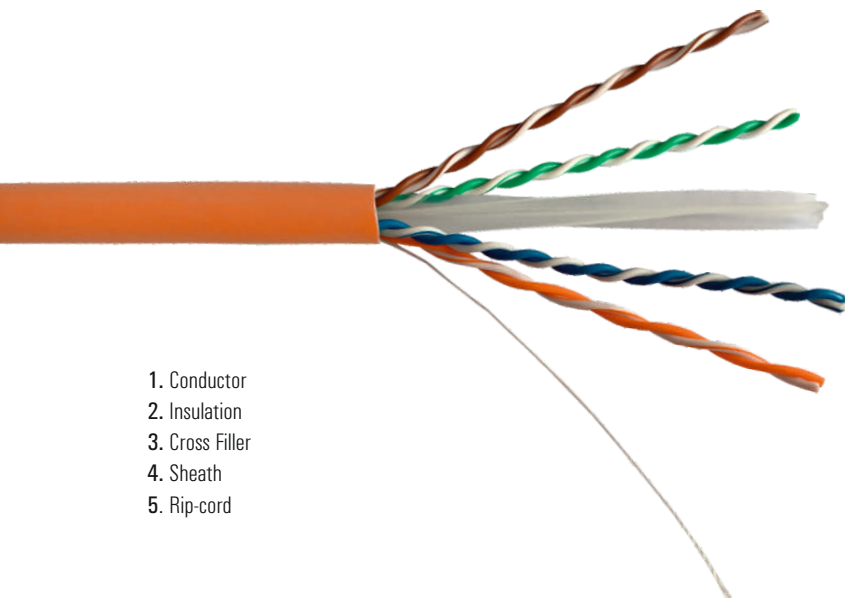
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6 F/UTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -20°C to +60°C
conductor core:	0,565 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	68%
insulation core:	HDPE 1,12 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	bending radius:	8 x diameter
nominal diameter:	7,4 mm LSZH	pair separator:	yes
characteristic impedance 1-250 MHz:	100 Ω	color:	RAL 7035
max. resistance 1-250 MHz:	9,5 (Ω/100 m)	CPR class:	Dca-s2,d2,a2

Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	74,3	65,3	59,3	56,2	54,8	51,9	47,7	44,3	39,8	38,3
Attenuation ≤ dB/100 m	-	3,8	6	7,6	8,5	10,7	15,4	19,8	29	32,9
Return loss ≥ dB/100 m	20	23	25	25	25	23,6	21,5	20,1	18	17,3
PSNEXT ≥ dB/100 m	72,3	63,3	57,3	54,2	52,8	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	67,8	55,8	47,8	43,7	41,8	37,9	31,9	27,8	21,8	19,8
PSELFEXT ≥ dB/100 m	64,8	52,8	44,8	40,7	38,8	34,9	28,9	24,8	18,8	16,8
Delay ≤ ns/100 m	570	552	545	543	542	540	539	538	537	536

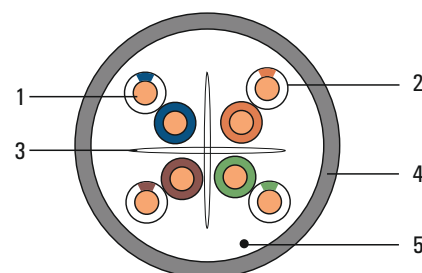
6A U/UTP LSZH



1. Conductor
2. Insulation
3. Cross Filler
4. Sheath
5. Rip-cord

Cat. No.: SEC6AUTPLSZH-CCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/UTP twisted cable (unshielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. It has an outer LSZH coating. The cable meets the requirements of structured cabling standards: ISO / IEC11801, TIA-568-C.2, EN 50173.



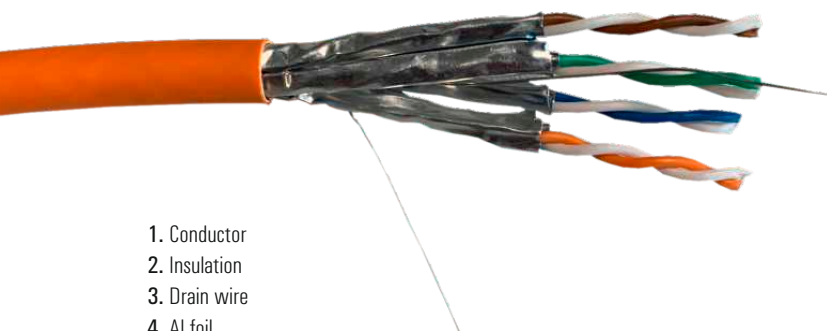
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A U/UTP

TECHNICAL DATA:

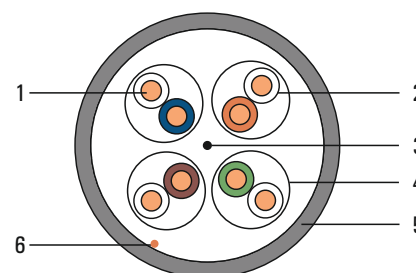
construction:	4x2	operating temperature:	from -20 °C to +60 °C
conductor core:	AWG23	installation temperature:	from -5 °C to +60 °C
execution core:	copper wire (Cu)	NVP:	69 %
isulation core:	HDPE 1,02 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,55 mm	minimum bending radius:	10 x diameter
nominal diameter:	6,4 mm LSZH	color:	RAL2004
impedance 1-500 MHZ:	100 Ω	CPR class:	Cca-s1a, d0, a1
max. resistance 1-500 MHZ:	9,5 Ω / 100 m		

Transmission frequency	4	8	10	16	20	25	62,5	250	300	400	500
NEXT ≥ dB/100 m	65,3	60,8	59,3	56,2	54,8	53,3	47,7	38,3	37,1	35,3	33,8
Attenuation ≤ dB/100 m	3,8	5,3	5,9	7,5	8,4	9,4	15	31,1	34,3	40,1	45,3
Return loss ≥ dB/100 m	23	24,5	25	25	25	24,3	21,5	17,3	16,8	15,9	15,2
PSNEXT ≥ dB/100 m	63,3	58,8	57,3	54,2	52,8	51,3	45,4	36,3	35,1	33,3	31,8
ELFEXT ≥ dB/100 m	55,8	49,7	47,8	43,7	41,8	39,8	31,9	19,8	18,3	15,8	13,8
PSELFEXT ≥ dB/100 m	52,8	46,7	44,8	40,7	38,8	36,8	28,9	16,8	15,3	12,8	10,8

6A U/FTP LSZH



1. Conductor
2. Insulation
3. Drain wire
4. Al foil
5. Sheath
6. Rip-cord



Cat. No.: SEC6AUFTPLSZH-CCA, SEC6AUFTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. U/FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has LSZH outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568-C.2, EN 50173.

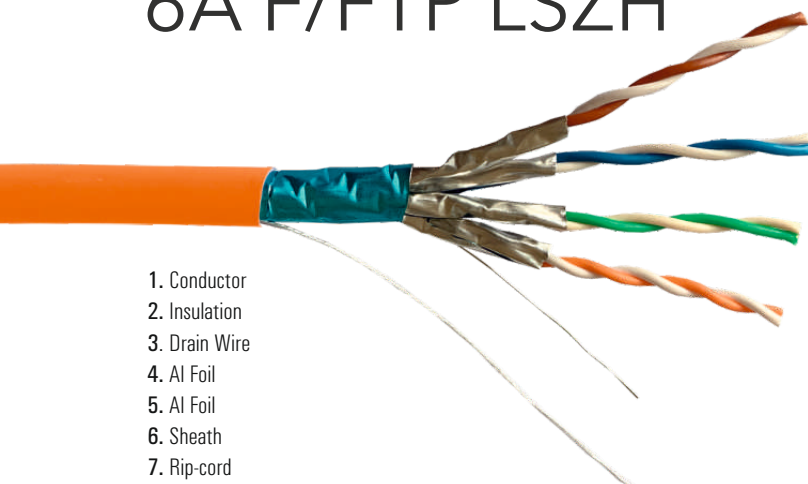
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A U/FTP

TECHNICAL DATA:

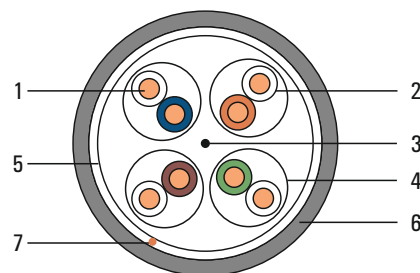
construction:	4x2	operating temperature:	from -20 °C to +60 °C
conductor core:	AWG23	installation temperature:	from -5 °C to +60 °C
execution core:	copper wire (Cu)	NVP:	74 %
isulation core:	PE 1,35 mm	Delay Skew (ns/100 m):	≤ 45
screen:	aluminium foil	minimum bending radius:	10 x diameter
thickness:	0,5 mm	color:	RAL2004
nominal diameter:	7,4 mm LSZH	CPR class:	Cca-s1a, d0, a1
impedance 1-500 MHZ:	100Ω		Dca-s1,d1,a1
max. resistance 1-500 MHZ:	9,5Ω / 100 m		

Transmission frequency	4	8	10	16	20	25	65,5	250	300	400	500
NEXT ≥ dB/100 m	65,3	60,8	59,3	56,2	54,8	53,3	47,4	38,3	37,1	35,3	33,8
Attenuation ≤ dB/100 m	3,8	5,3	5,9	7,5	8,4	9,4	15	31,1	34,3	40,1	45,3
Return loss ≥ dB/100 m	23	24,5	25	25	25	24,3	21,5	17,3	16,8	15,9	15,2
PSNEXT ≥ dB/100 m	63,3	58,8	57,3	54,2	52,8	51,3	45,4	36,3	35,1	33,3	31,8
ELFEXT ≥ dB/100 m	55,8	49,7	47,8	43,7	41,8	39,8	31,9	19,8	18,3	15,8	13,8
PSELFEXT ≥ dB/100 m	52,8	46,7	44,8	40,7	38,8	36,8	28,9	16,8	15,3	12,8	10,8

6A F/FTP LSZH



1. Conductor
2. Insulation
3. Drain Wire
4. Al Foil
5. Al Foil
6. Sheath
7. Rip-cord



Cat. No.: SEC6AFFTPLSZH-CCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. F/FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has LSZH outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568- C.2, EN 50173.

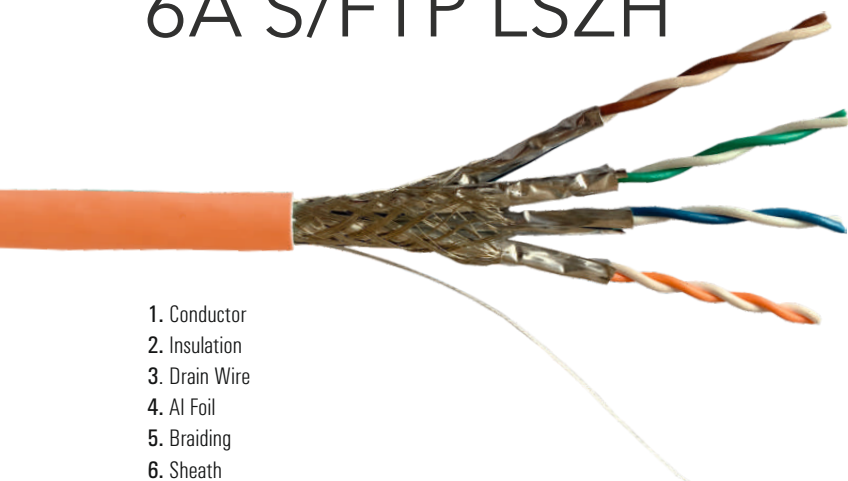
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A F/FTP

TECHNICAL DATA:

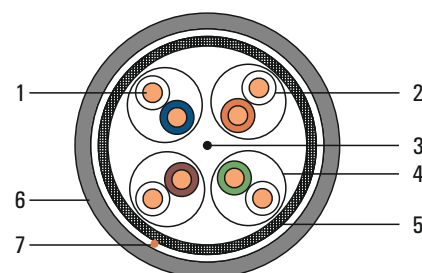
construction:	4x2	max. resistance 1-500 MHZ:	9,5 Ω / 100 m
conductor core:	AWG23	operating temperature:	from -20 °C to + 60 °C
execution core:	copper wire (Cu)	installation temperature:	from -5 °C to + 60 °C
isulation core:	PE 1,35 mm	NVP:	74 %
screen:	aluminium foil	Delay Skew (ns/100 m):	≤45
thickness:	0,5 mm	minimum bending radius:	10 x diameter
nominal diameter:	7,6 mm LSZH	color:	RAL2004
impedance 1-500 MHZ:	100 Ω	CPR class:	Cca-s1a, d0, a1

Transmission frequency	4	8	10	16	20	25	65,5	250	300	400	500
NEXT ≥ dB/100 m	65,3	60,8	59,3	56,2	54,8	53,3	47,4	38,3	37,1	35,3	33,8
Attenuation ≤ dB/100 m	3,8	5,3	5,9	7,5	8,4	9,4	15	31,1	34,3	40,1	45,3
Return loss ≥ dB/100 m	23	24,5	25	25	25	24,3	21,5	17,3	16,8	15,9	15,2
PSNEXT ≥ dB/100 m	63,3	58,8	57,3	54,2	52,8	51,3	45,4	36,3	35,1	33,3	31,8
ELFEXT ≥ dB/100 m	55,8	49,7	47,8	43,7	41,8	39,8	31,9	19,8	18,3	15,8	13,8
PSELFEXT ≥ dB/100 m	52,8	46,7	44,8	40,7	38,8	36,8	28,9	16,8	15,3	12,8	10,8

6A S/FTP LSZH



1. Conductor
2. Insulation
3. Drain Wire
4. Al Foil
5. Braiding
6. Sheath
7. Rip-cord



Cat. No.: SEC6ASFTPLSZH-CCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. S/FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has LSZH outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568- C.2, EN 50173.

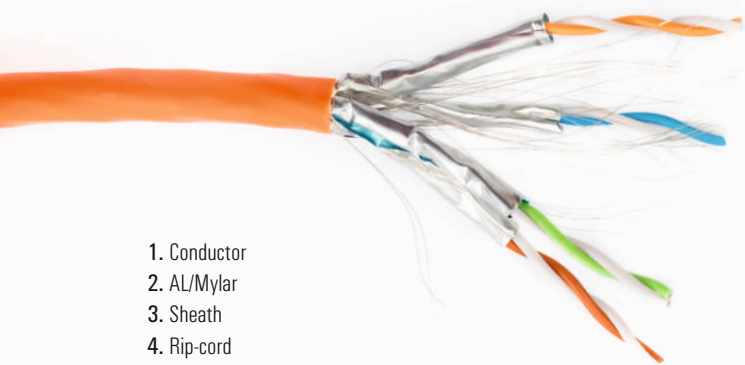
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A S/FTP

TECHNICAL DATA:

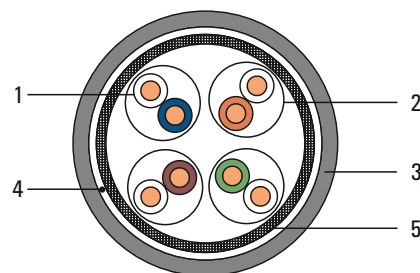
construction:	4x2	max. resistance 1-500 MHZ:	9,5 Ω / 100 m
conductor core:	AWG23	operating temperature:	from -20 °C to +60 °C
execution core:	copper wire (Cu)	installation temperature:	from -5 °C to +60 °C
isulation core:	PE 1,35 mm	NVP:	74 %
screen:	aluminium foil	Delay Skew (ns/100 m):	≤45
	(individual pairs), braid	minimum bending radius:	10 x diameter
thickness:	0,5 mm	color:	RAL2004
nominal diameter:	7,8 mm LSZH	CPR class:	Cca-s1a, d0, a1
impedance 1-500 MHZ:	100 Ω		

Frequency MHz	4	8	10	16	20	25	65,5	250	300	400	500
NEXT ≥ dB/100 m	65,3	60,8	59,3	56,2	54,8	53,3	47,4	38,3	37,1	35,3	33,8
Attenuation ≤ dB/100 m	3,8	5,3	5,9	7,5	8,4	9,4	15	31,1	34,3	40,1	45,3
Return loss ≥ dB/100 m	23	24,5	25	25	25	24,3	21,5	17,3	16,8	15,9	15,2
PSNEXT ≥ dB/100 m	63,3	58,8	57,3	54,2	52,8	51,3	45,4	36,3	35,1	33,3	31,8
ELFEXT ≥ dB/100 m	55,8	49,7	47,8	43,7	41,8	39,8	31,9	19,8	18,3	15,8	13,8
PSSELFEXT ≥ dB/100 m	52,8	46,7	44,8	40,7	38,8	36,8	28,9	16,8	15,3	12,8	10,8

7 S/FTP LSZH



1. Conductor
2. AL/Mylar
3. Sheath
4. Rip-cord
5. Braid



Cat. No.: SEC7SFTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. SFTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has LSZH outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568-C.2, EN 50173.

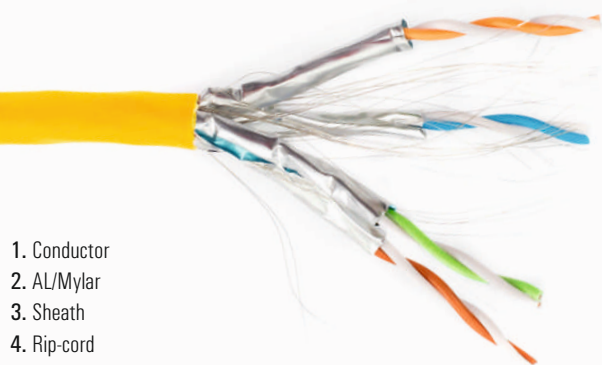
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 7 S/FTP

TECHNICAL DATA:

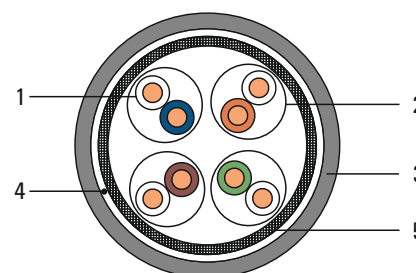
construction:	4x2	compression attenuation (rated):	80 dB
conductor core:	0,565 mm	operating temperature:	from -20°C to +70°C
execution core:	copper wire [Cu]	installation temperature:	from -5°C to +70°C
insulation core:	PE 1,33 mm	mutual capacitance:	45 pF/m
screen:	aluminium foil (individual pairs) braid	bending radius:	8 x diameter
nominal diameter:	7,6 mm LSZH	NVP:	79 %
characteristic impedance 1-600 MHz:	100 Ω	color:	RAL 2003
max. resistance 1-600 MHz:	9,38 Ω/100m	CPR class:	Dca-s1a,d2,a1

Transmission frequency	1	10	16	20	31,25	62,5	100	200	300	600
NEXT ≥ dB/100 m	80	80	80	80	80	75,1	72,4	68	65,3	60,8
Attenuation ≤ dB/100 m	2	5,7	7,2	8,1	10,1	14,5	18,5	28	33,3	48,9
Return loss ≥ dB/100 m	20	25	25	25	25	23	20	16	15	15
PSNEXT ≥ dB/100 m	77	77	77	77	77	72,5	69,4	65	62,3	57,8
ACR-N ≥ dB/100 m	78	74,3	72,8	71,9	69,9	60,6	53,9	40	32	11,9
ACR-F ≥ dB/100 m	80	74	69,9	68	64,1	58,1	54	49	44,5	38,4

7A S/FTP LSZH



1. Conductor
2. AL/Mylar
3. Sheath
4. Rip-cord
5. Braid



Cat. No.: SEC7ASFTPLSZH-DCA

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. S/FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has LSZH outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EN 50173, EIA / TIA 568-C.2.

- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 7A S/FTP

TECHNICAL DATA:

construction:	4x2
conductor core:	0,565 mm
execution core:	copper wire [Cu]
insulation core:	PE 1,33 mm
screen:	aluminium foil (individual pairs) braid
nominal diameter:	7,6 mm LSZH
characteristic impedance 1-1200 MHz:	100 Ω
max. resistance 1-100 MHz:	9,38 (Ω/100m)

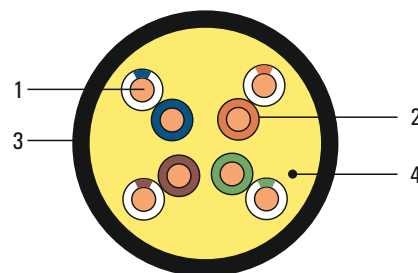
compression attenuation (rated):	85 dB
drainage wire:	yes
operating temperature:	from -20°C to +70°C
installation temperature:	from -5°C to +70°C
mutual capacitance:	45 pF/m
bending radius:	8 x diameter
NVP:	74%
color:	RAL 1021
CPR class:	Dca-s1a,d2,a1

Transmission frequency	4	10	16	20	31,25	62,5	100	300	600	1000
NEXT ≥ dB/100 m	78	78	78	78	78	75	72	65	61	57
Attenuation ≤ dB/100 m	3,7	5,8	7,3	8,2	10,3	14,6	18,5	32,7	47,1	61,9
Return loss ≥ dB/100 m	23	25	25	25	23,6	21,5	20,1	17,3	17,3	17,3
PSNEXT ≥ dB/100 m	75	75	75	75	72	69	62	58	54	
ACR-N ≥ dB/100 m	78	74,3	72,8	71,9	69,9	60,6	53,9	40	32	11,9
ACR-F ≥ dB/100 m	78	74	70	68	64	58	54	44	38	34

5e U/UTP



1. Conductor
2. Insulation
3. Sheath
4. Rip-cord



- for outdoor use (PE coat)
- jelly filled
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e U/UTP

Cat. No.: SEC5EUTPG

Security Net U/UTP jelly twisted cable (unshielded) cat 5e is intended for outdoor installation, does not require covers or protecting tubes. It is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE.

TECHNICAL DATA:

construction:	4x2
conductor core:	0,5 mm
execution core:	copper wire [Cu]
insulation core:	HDPE 1,00 mm
thickness:	0,55 mm
nominal diameter:	5,6 mm LDPE (compatible with RoHS)
characteristic impedance 1-100MHz:	100 Ω
max. resistance 1-100MHz:	9,5 (Ω/100m)

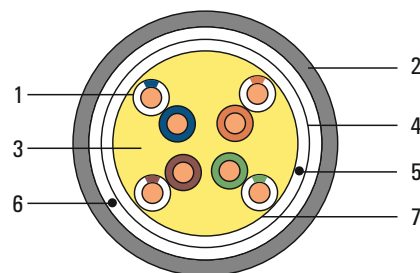
operating temperature:	from -30°C to +60°C
installation temperature:	from -10°C to +70°C
fulfillment:	jelly filled
Delay Skew (ns/100 m):	≤ 45
bendig radius:	8 x diameter
NVP:	65%
color:	RAL 9005
CPR class:	Fca

Transmission frequency	1	4	8	10	16	20	25	31,25	62,5	100
NEXT ≥ dB/100 m	60	54,8	50	48,5	45,2	43,7	42,1	40,5	35,7	32,3
Attenuation ≤ dB/100 m	3,0	3,9	5,5	6,2	7,9	8,9	10	11,2	16,2	21
Return loss ≥ dB/100 m	19	19	19	19	19	19	18	17,1	14,1	12
PSNEXT ≥ dB/100 m	57,0	51,8	47	45,5	42,2	40,7	39,1	37,5	32,7	29,3
ELFEXT ≥ dB/100 m	58,6	46,6	40,6	38,6	34,5	32,6	30,7	28,7	22,7	18,6
PSELFEXT ≥ dB/100 m	55,6	43,6	37,5	35,6	31,5	29,6	27,7	25,7	19,7	15,6
Delay ≤ ns/100 m	521	504	500	498	496	495	495	494	492	491

5e F/UTP



1. Conductor
2. Sheath
3. Jelly filled
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



- for outdoor use (PE coat)
- jelly filled
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e F/UTP

Cat. No.: SEC5EFTPG

SecurityNet F/UTP jelly twisted cable (shielded) cat 5e is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE.

TECHNICAL DATA:

construction:	4x2
conductor core:	0,510 mm
execution core:	copper wire [Cu]
insulation core:	HDPE 1,02 mm
screen:	aluminium foil
thickness:	0,55 mm
nominal diameter:	6,6 mm LDPE (compatible with RoHS)
characteristic impedance 1-100MHz:	100 Ω

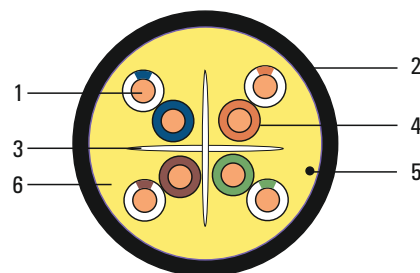
max. resistance 1-100MHz:	9,5 (Ω/100m)
operating temperature:	from -30°C to +60°C
installation temperature:	from -10°C to +70°C
fulfillment:	jelly filled
Delay Skew (ns/100 m):	≤ 45
bendig radius:	8 x diameter
NVP:	65%
color:	RAL 9005
CPR class:	Fca

Transmission frequency	1	4	8	10	16	20	25	31,25	62,5	100
NEXT ≥ dB/100 m	60	54,8	50	48,5	45,2	43,7	42,1	40,5	35,7	32,3
Attenuation ≤ dB/100 m	3,0	3,9	5,5	6,2	7,9	8,9	10	11,2	16,2	21
Return loss ≥ dB/100 m	19	19	19	19	19	19	18	17,1	14,1	12
PSNEXT ≥ dB/100 m	57,0	51,8	47	45,5	42,2	40,7	39,1	37,5	32,7	29,3
ELFEXT ≥ dB/100 m	58,6	46,6	40,6	38,6	34,5	32,6	30,7	28,7	22,7	18,6
PSELFEXT ≥ dB/100 m	55,6	43,6	37,5	35,6	31,5	29,6	27,7	25,7	19,7	15,6
Delay ≤ ns/100 m	521	504	500	498	496	495	495	494	492	491

6 U/UTP



1. Conductor
2. Sheath
3. Separator
4. Insulation
5. Rip-cord
6. Jelly filled



- for outdoor use (PE coat)
- jelly filled
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 U/UTP

Cat. No.: SEC6UTPG

SecurityNet U/UTP jelly twisted cable (unshielded) cat. 6 is intended for outdoor installation, does not require covers or protecting tubes. It is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating PE.

TECHNICAL DATA:

construction: 4x2
 conductor core: 0,565 mm
 execution core: copper wire [Cu]
 insulation core: HDPE 1,12 mm
 thickness: 0,6 mm
 nominal diameter: 7,1 mm LDPE
 characteristic impedance 1-250 MHz: 100 Ω
 max. resistance 1-100 MHz: 9,5 (Ω/100 m)

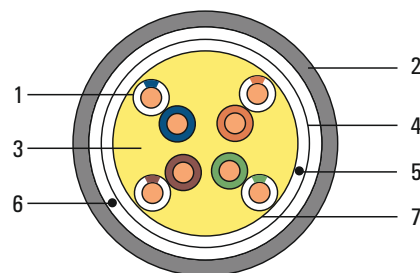
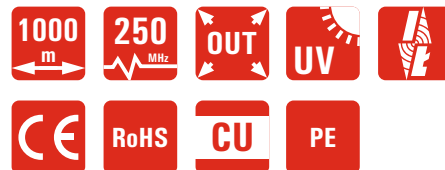
operating temperature: from -30°C to +60°C
 installation temperature: from -10°C to +70°C
 fulfillment: jelly filled
 Delay Skew (ns/100 m): ≤ 45
 bending radius: 8 x diameter
 pair separator: yes
 NVP: 65 %
 color: RAL 9005
 CPR class: Fca

Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	65	64,1	57,8	54,6	53,1	50	45,1	41,8	36,9	35,3
Attenuation ≤ dB/100 m	3	3,5	5,5	7	7,9	10	14,4	18,6	27,4	31,1
Return loss ≥ dB/100 m	19,1	21	21	20	19,5	18,5	16	14	11	10
PSNEXT ≥ dB/100 m	62	61,8	55,5	52,2	50,7	47,5	42,7	39,9	34,3	32,7
ELFEXT ≥ dB/100 m	64,2	52,1	44,2	40,1	38,2	34,3	28,3	24,2	18,2	16,2
PSELFEXT ≥ dB/100 m	61,2	49,1	41,2	37,1	35,2	31,3	25,3	21,2	15,2	13,2
Delay ≤ ns/100 m	521	504	498	496	495	494	492	491	490	490

6 F/UTP



1. Conductor
2. Sheath
3. Jelly filled
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



Cat. No.: SEC6FTPG

SecurityNet F/UTP jelly cable (shielded) cat. 6 is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Using the screen allows to reduce the risk of electromagnetic interference from outside. Cable is resistant to UV radiation. It has an outer coating of PE.

- for outdoor use (LDPE coat)
- jelly filled
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 F/UTP

TECHNICAL DATA:

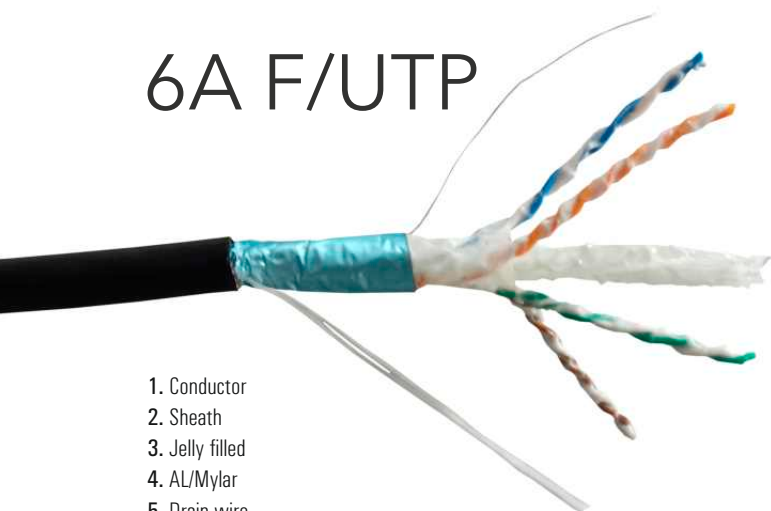
construction: 4x2
 conductor core: 0,565 mm
 execution core: copper wire [Cu]
 insulation core: 1,12 mm HDPE
 screen: aluminium foil
 thickness: 0,6 mm
 nominal diameter: 7,8 mm LDPE
 characteristic impedance 1-250MHz: 100 Ω
 max. resistance 1-250MHz: 9,5 (Ω/100 m)

operating temperature: from -30°C to +60°C
 installation temperature: from -10°C to +70°C
 fulfillment: jelly filled
 Delay Skew (ns/100 m): ≤ 45
 bendig radius: 8 x diameter
 NVP: 65%
 color: RAL 9005
 CPR clas: Fca

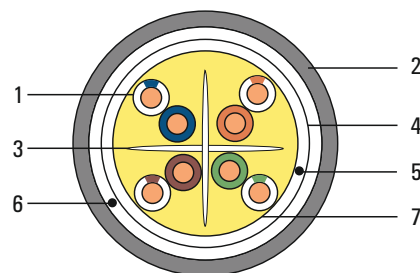
Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	65	64,1	57,8	54,6	53,1	50	45,1	41,8	36,9	35,3
Attenuation ≤ dB/100 m	3	3,5	5,5	7	7,9	10	14,4	18,6	27,4	31,1
Return loss ≥ dB/100 m	19,1	21	21	20	19,5	18,5	16	14	11	10
PSNEXT ≥ dB/100 m	62	61,8	55,5	52,2	50,7	47,5	42,7	39,9	34,3	32,7
ELFEXT ≥ dB/100 m	64,2	52,1	44,2	40,1	38,2	34,3	28,3	24,2	18,2	16,2
PSELFEXT ≥ dB/100 m	61,2	49,1	41,2	37,1	35,2	31,3	25,3	21,2	15,2	13,2
Delay ≤ ns/100 m	521	504	498	496	495	494	492	491	490	490

OUTDOOR TWISTED PAIR CABLES – JELLY FILLED

6A F/UTP



1. Conductor
2. Sheath
3. Jelly filled
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



Cat. No.: SEC6AFTPG

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. F/UTP jelly twisted cable (shielded) cat 6A is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE.

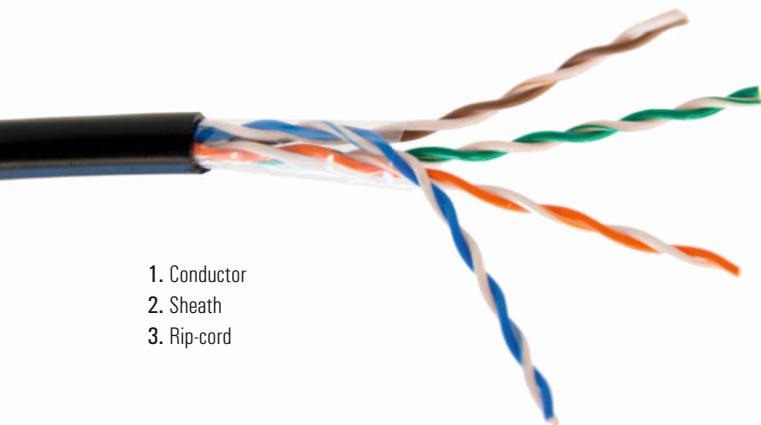
- for outdoor use (PE coat)
- jelly filled
- UV - resistant
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A F/UTP

TECHNICAL DATA:

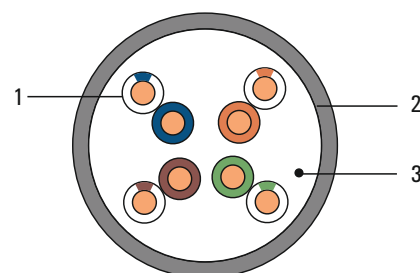
construction:	4x2	max. resistance 1-500 MHZ:	9,5 Ω / 100 m
conductor core:	0,56 mm	operating temperature:	from -30 °C to +60 °C
execution core:	copper wire (Cu)	installation temperature:	from -5 °C to +60 °C
isulation core:	PE 1,12 mm	NVP:	65 %
screen:	aluminium foil	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	minimum bending radius:	8 x diameter
nominal diameter:	7,8 mm PE	color:	RAL 9005
impedance 1-500 MHZ:	100 Ω	CPR class:	Fca

Transmission frequency	1	4	8	10	16	20	25	31,25	65,50	100	200	250	400	500
NEXT ≥ dB/100 m	65	63	58,2	56,6	53,2	51,6	50	48,4	43,4	39,9	34,8	33,1	28,7	26,1
Attenuation ≤ dB/100 m	2,3	4,2	5,8	6,5	8,2	9,2	10,2	11,5	16,5	20,9	30,1	33,9	43,7	49,3
Return loss ≥ dB/100 m	19	19	19	19	18	17,5	17	16,5	14	12	9	8	6	6
PSNEXT ≥ dB/100 m	62	60,5	55,6	54	50,6	49	47,3	45,7	40,6	37,1	31,9	30,2	25,8	23,2
ACRF ≥ dB/100 m	63,3	51,2	45,2	43,3	39,2	37,2	35,3	33,4	27,3	23,3	17,2	15,3	11,2	9,3
PSACRF ≥ dB/100 m	60,3	48,2	42,2	40,3	36,2	34,2	32,3	30,4	24,3	20,3	14,2	12,3	8,2	6,3

5e U/UTP



1. Conductor
2. Sheath
3. Rip-cord



Cat. No.: SEC5EUTPD

SecurityNet U/UTP twisted cable (unshielded) cat. 5e dry is intended for outdoor installation, does not require covers or protecting tubes. It is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE.

- for outdoor use (PE coat)
- dry
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 metres with Fluke Networks DSX-5000 measure)

TECHNICAL DATA:

category:	4x2
conductor core:	0,5 mm
execution core:	copper wire [Cu]
insulation core:	HDPE 0,88 mm
thickness:	0,55 mm
nominal diameter:	5,2 mm LDPE (compatible with RoHS)
characteristic impedance 1-100MHz:	100 Ω
max. resistance 1-100MHz:	9,5 (Ω/100 m)

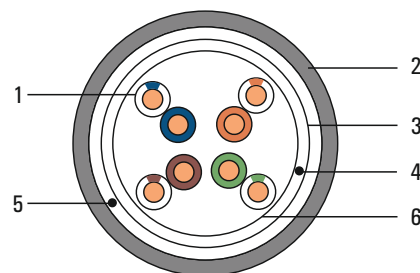
operating temperature:	from -30°C to + 60°C
installation temperature:	from -10°C to + 70°C
fulfillment:	dry
Delay Skew (ns/100 m):	≤ 45
bendig radius:	8 x diameter
NVP:	68%
color:	RAL 9005
CPR class:	Fca

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	2	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17	22
Return loss ≥ dB/100 m	20	23	24,5	25	25	25	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ELFEXT ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PSELFEXT ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

5e F/UTP



1. Conductor
2. Sheath
3. AL/Mylar
4. Drain wire
5. Rip-cord
6. Mylar



Cat. No.: SEC5EFTPD

SecurityNet F/UTP twisted cable (shielded) cat. 5e, dry is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE.

- for outdoor use (PE coat)
- dry
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 metres with Fluke Networks DSX-5000 measure)

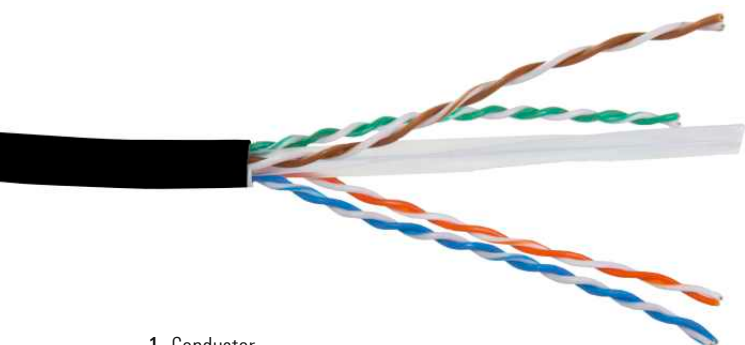
TECHNICAL DATA:

construction:	4x2
conductor core:	0,51 mm
execution core:	copper wire [Cu]
insulation core:	HDPE 1,02 mm
thickness:	0,55 mm
nominal diameter:	6,3 mm LDPE (compatible with RoHS)
characteristic impedance 1-100MHz:	100 Ω
max. resistance 1-100MHz:	9,5 (Ω/100 m)

fulfillment:	dry
Delay Skew (ns/100 m):	≤ 45
operating temperature:	from -30°C to +60°C
installation temperature:	from -10°C to +70°C
bendig radius:	8 x diameter
NVP:	68%
color:	RAL 9005
CPR class:	Fca

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100
NEXT ≥ dB/100 m	65,3	56,3	51,8	50,3	47,2	45,8	44,3	42,9	38,4	35,3
Attenuation ≤ dB/100 m	-	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17	22
Return loss ≥ dB/100 m	20	23	24,5	25	25	25	24,3	23,6	21,5	20,1
PSNEXT ≥ dB/100 m	62,3	53,3	48,8	47,3	44,4	42,8	41,3	39,9	35,4	32,3
ELFEXT ≥ dB/100 m	63,8	51,8	45,7	43,8	39,7	37,8	35,8	33,9	27,9	23,8
PSELFEXT ≥ dB/100 m	60,8	48,8	42,7	40,8	36,7	34,8	32,8	30,9	24,9	20,8
Delay ≤ ns/100 m	570	552	547	545	543	542	541	540	539	538

6 U/UTP



1. Conductor
2. Sheath
3. Rip-cord
4. Separator

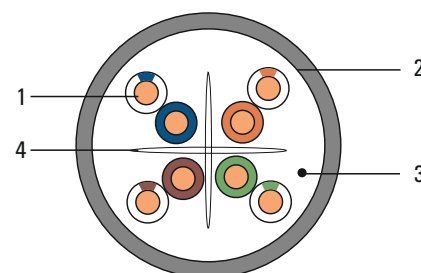
Cat. No.: SEC6UTPD

SecurityNET U/UTP twisted cable (unshielded) cat. 6, dry. Is intended for outdoor instalations, no need to use additional covers. It's perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may not be exposed to electromagnetic disturbance. It has an outer coating of PE.

TECHNICAL DATA:

construction: 4x2
 conductor core: 0,57 mm
 execution core: copper wire [Cu]
 insulation core: HDPE 0,98 mm
 thickness: 0,6 mm
 shell: LDPE 7,0 mm
 characteristic impedance 1-250 MHz: 100 Ω
 max. resistance 1-100 MHz: 9,5 (Ω/100 m)

operating temperature: od -30°C do +60°C
 installation temperature: od -10°C do +70°C
 implection: dry cable
 Delay Skew (ns/100 m): ≤ 45
 bendig radius: 8 x diameter
 NVP: 66%
 color: RAL 9005
 CPR class: Fca



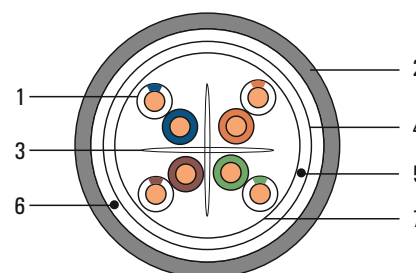
- for outdoor use (PE coat)
- dry
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 metres with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 U/UTP

Transmission frequency	1	4	8	10	16	20	25	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	74,3	66,3	61,8	60,3	57,2	55,8	54,3	52,9	48,4	45,3	40,8	39,3
Attenuation ≤ dB/100 m	2,2	4,0	5,5	6,2	7,8	8,7	9,7	10,9	15,6	20	29,2	33
Return loss ≥ dB/100 m	20	23	24,5	25	25	25	24,3	23,6	21,5	20,1	18	17,3
PSNEXT ≥ dB/100 m	72,3	63,3	58,8	57,3	54,2	52,8	51,3	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	67,8	56	49,9	48	43,9	42	40	38,1	32,1	28	22	20
PSELFEXT ≥ dB/100 m	64,8	53	46,9	45	40,9	39	37	35,1	29,1	25	19	17

6 F/UTP



1. Conductor
2. Sheath
3. Separator
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



Cat. No.: SEC6FTPD

SecurityNet F/UTP twisted cable (shielded) cat. 5e, dry is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Cable is resistant to UV radiation. It has an outer coating of PE. The cable meets the requirements of structured cabling standards: ISO / IEC11801, TIA-568-C.2, EN 50173.

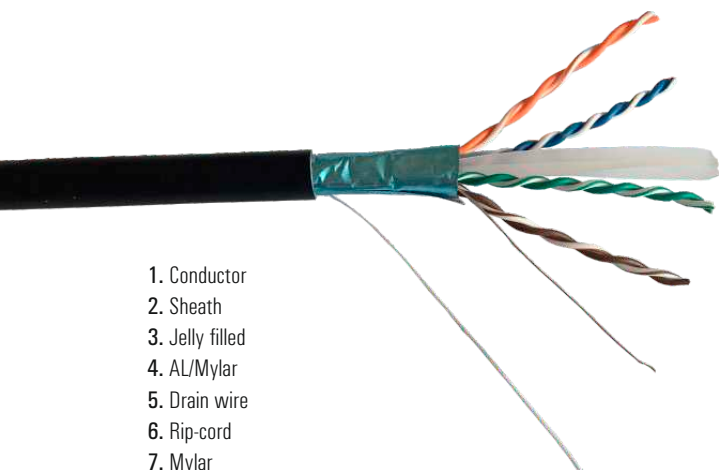
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 F/UTP

TECHNICAL DATA:

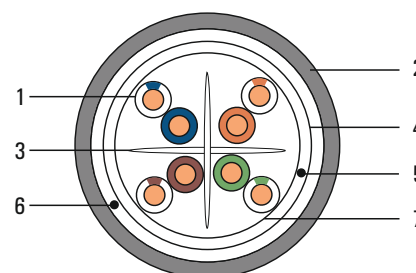
construction:	4x2	operating temperature:	from -30 °C to +60 °C
conductor core:	0,55 mm	installation temperature:	from -5 °C to +60 °C
execution core:	copper wire (Cu)	NVP:	68 %
isulation core:	PE 1,10 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	minimum bending radius:	8 x diameter
nominal diameter:	7,4 mm LSZH	color:	RAL 9005
impedance 1-250 MHz:	100 Ω	CPR class:	Fca
max. resistance 1-250 MHz:	9,5Ω / 100 m		

Transmission frequency	4	8	10	16	20	25	31,25	62,5	100	200	250
NEXT ≥ dB/100 m	65,3	60,8	59,3	56,2	54,8	53,3	51,9	47,7	44,3	39,8	38,8
Attenuation ≤ dB/100 m	3,78	5,32	5,95	7,55	8,47	9,51	10,67	15,38	19,8	28,98	32,85
Return loss ≥ dB/100 m	23	24,5	25	25	25	24,3	23,6	21,5	20,1	18	17,3
PSNEXT ≥ dB/100 m	63,3	58,8	57,3	54,2	52,8	51,3	49,9	45,4	42,3	37,8	36,3
ELFEXT ≥ dB/100 m	55,8	49,7	47,8	43,7	41,8	39,8	37,9	31,9	27,8	21,8	19,8
PSSELFEXT ≥ dB/100 m	52,8	46,7	44,8	40,7	38,8	36,8	34,9	28,9	24,8	18,8	16,8

6A F/UTP



1. Conductor
2. Sheath
3. Jelly filled
4. AL/Mylar
5. Drain wire
6. Rip-cord
7. Mylar



nr kat: SEC6AFTPD

SecurityNET installation twisted cable is intended to connect between distribution point of multimedia signals and user's connectors. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. Screen application minimizes interference that may occur when the cables will put in the same pathway with other power cable. It has PE outer coating. The cable meets the requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568-C.2, EN 50173.

- for outdoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6A F/UTP

DANE TECHNICZNE:

construction: 4x2
 conductor core: AWG23
 execution core: copper wire (Cu)
 insulation core: PE 1,02 mm
 screen: aluminium foil
 thickness: 0,6 mm
 nominal diameter: 7,5 mm PE
 impedance 1-500 MHz: 100 Ω

max. resistance 1-500 MHz: 9,5 Ω / 100 m
 operating temperature: from -30 °C to +60 °C
 installation temperature: from -5 °C to +60 °C
 NVP: 74 %
 Delay Skew (ns/100 m): ≤ 45
 minimum bending radius: 10 x diameter
 color: RAL 9005
 CPR class: Fca

Transmission frequency	1	4	8	10	16	20	25	31,25	65,5	100	200	250	300	400	500
NEXT ≥ dB/100 m	74,3	66,3	61,8	60,3	57,2	55,8	54,3	52,9	48,4	45,3	40,8	39,3	38,1	36,3	34,8
Attenuation ≤ dB/100 m	2	3,8	5,3	6,0	7,6	8,5	9,5	10,7	15,4	19,8	29	32,8	34,3	40,1	45,3
Return loss ≥ dB/100 m	20	23	24,5	25	25	25	24,3	23,6	21,5	20,1	18	17,3	17,3	17,3	17,3
PSNEXT ≥ dB/100 m	72,3	63,3	58,8	57,3	54,2	52,8	51,3	49,9	45,4	42,3	37,8	36,3	35,1	33,3	31,8
ELFEXT ≥ dB/100 m	67,8	56	49,9	48	43,9	42	40	38,1	32,1	28	22	20	18,5	16	14
PSSELFEXT ≥ dB/100 m	64,8	53	46,9	45	40,9	39	37	35,1	29,1	25	19	17	15,5	13	11

TABLE OF CABLE'S PACKAGES

	305m	500m	1000m
SEC5EUTP	•		
SEC5EUTPLSZH-B2CA	•		
SEC5EUTPLSZH-CCA	•		
SEC5EUTPLSZH-DCA	•		
SEC5EFTP	•		
SEC5EFTPLSZH-DCA	•		
SEC6UTP-B2CA	•		
SEC6UTPLSZH-BCA	•	•	
SEC6UTPLSZH-CCA	•	•	
SEC6UTPLSZH-DCA	•	•	
SEC6FTP	•		
SEC6FTPLSZH-DCA		•	
SEC6AUTPLSZH-CCA		•	
SEC6AFTPLSZH-CCA		•	
SEC6ASFTPLSZH-CCA		•	
SEC7SFTPLSZH-DCA		•	
SEC7ASFTPLSZH-DCA		•	
SEC5EUTPG	•	•	
SEC5EFTPG		•	
SEC6UTPG		•	
SEC6FTPG			•
SEC6AFTPG		•	
SEC5EUTPD	•	•	
SEC5EFTPD		•	
SEC6UTPD	•		
SEC6FTPD	•		
SEC6AFTPD		•	

INDICATIONS



305 m box



500 m barrel



1000 m barrel



Frequency 100 Mhz



Frequency 200 Mhz



Frequency 250 Mhz



Frequency 500 Mhz



Frequency 600 Mhz



Frequency 1200 Mhz



For outdoor installation



For indoor installation



UV - resistant



Outer sheath LSZH



It has opinion and research of Institute for Telecommunication Science



CE certificate



Complies RoHS directive



Made of copper

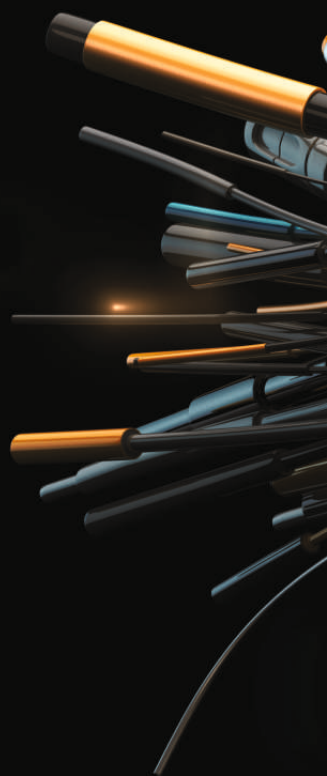


Compliant with the CPR directive



Outer shell polyethylene





DISTRIBUTION