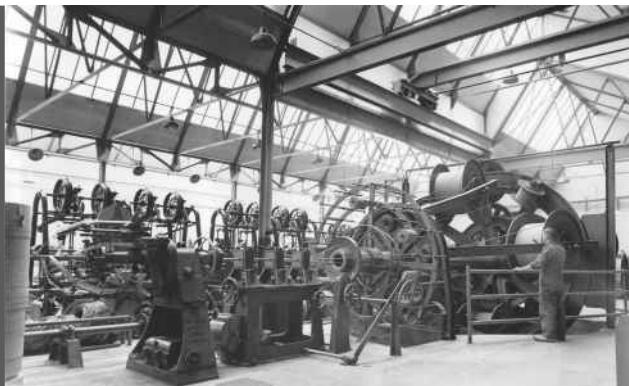
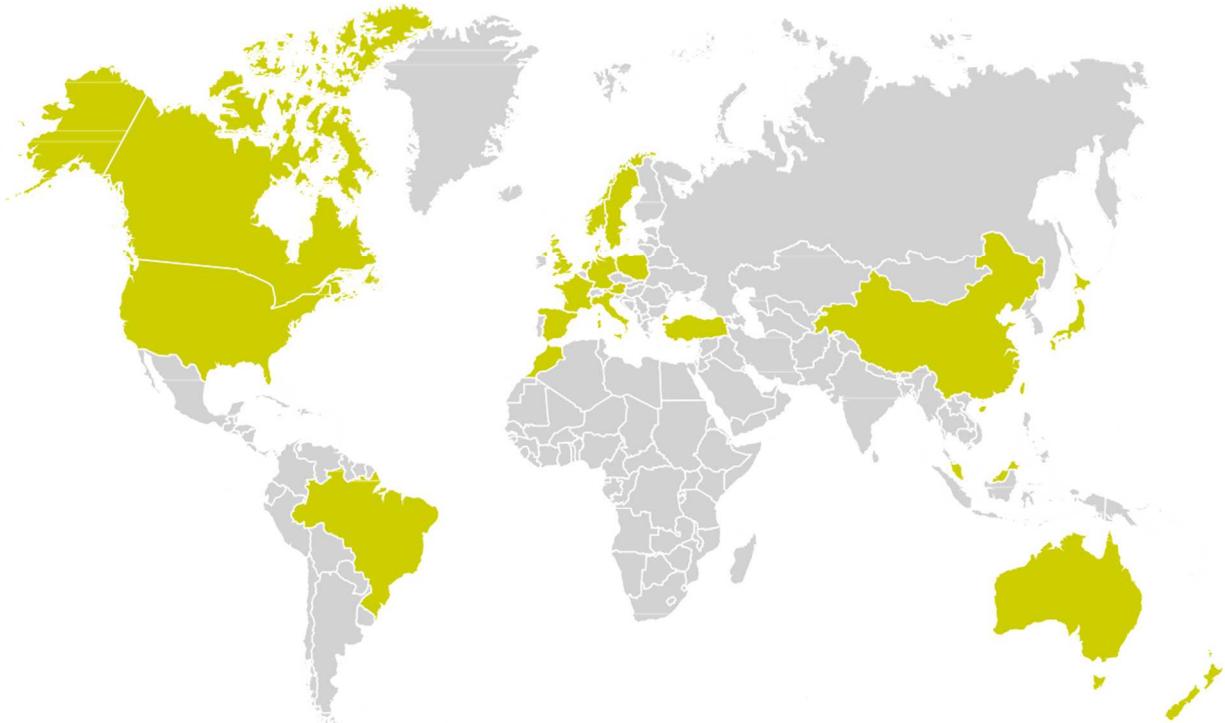


 SecurityNET



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).

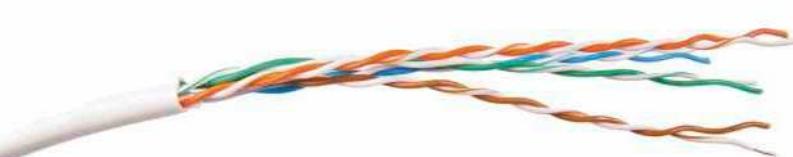




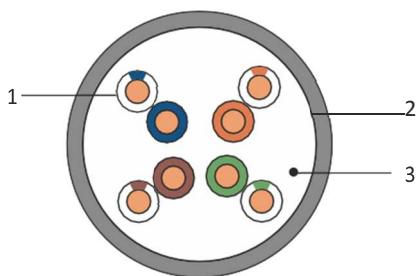
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5e U/UTP



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
- also available in versions: 5e F/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7S/FTP, 7AS/FTP

TECHNICAL DATA:

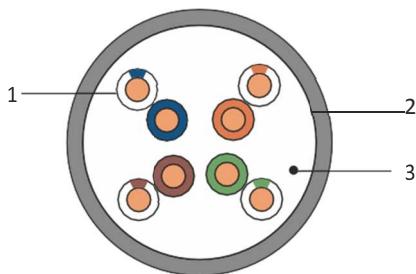
construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,5 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	68 %
insulation core:	HDPE 0,87 mm	Delay Skew (ns/100m):	≤ 45
thickness:	0,5 mm	minimum bending radius:	8 x diameter
nominal diameter:	5 mm PVC	color:	RAL 9003
characteristic impedance 1-100 MHz:	100 Ω	CPR Class:	Eca
max. resistance 1-100 MHz:	9,5 (Ω/100 m)		

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

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

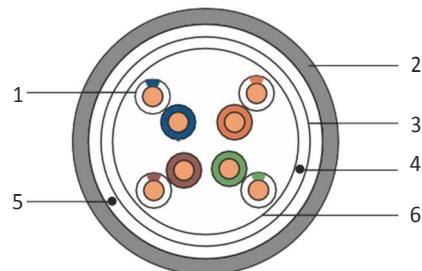
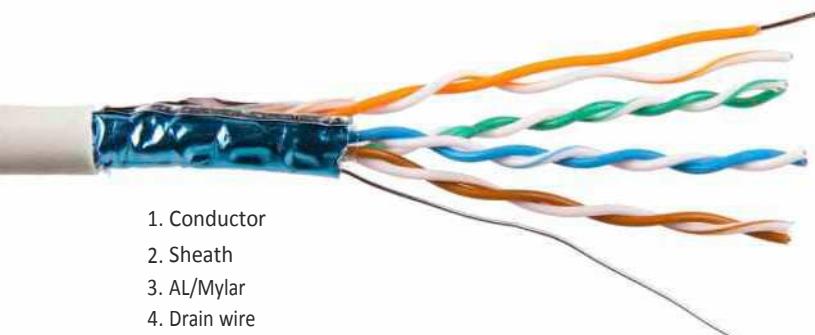
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performer on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 5e U/UTP
- also available in versions: 5e F/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7 S/FTP, 7A S/FTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,5 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire (Cu)	NVP:	68%
insulation core:	HDPE 0,87 mm	Delay Skew (ns/100m):	≤ 45
thickness:	0,50 mm	Minimum bending radius:	8 x diameter
nominal diameter:	5 mm LSZH	color:	RAL 9010
characteristic impedance 1-100 MHz:	100 Ω	CPR class:	Eca / Dca
max. resistance 1-100MHz:	9,5 (Ω/100 m)		

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



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 powercable. It has an outer coating of PVC. The cable meets requirements of structured cabling: ISO / IEC 11801, EIA / TIA 568-C.2, EN50173.

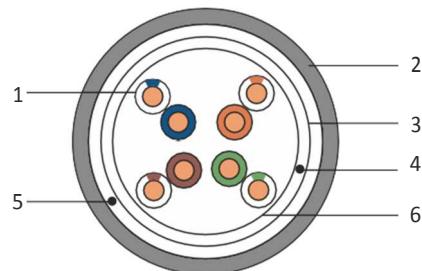
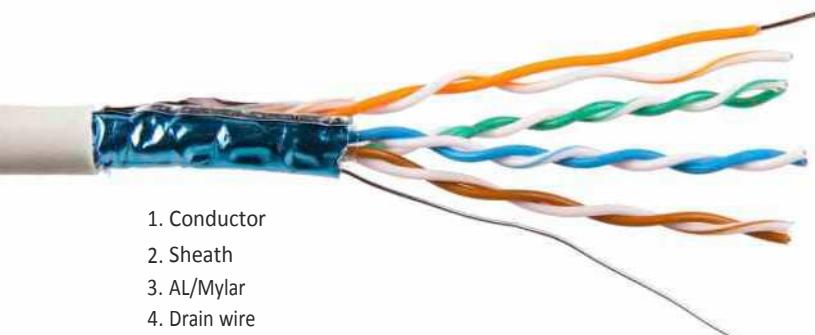
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e F/UTP
- also available in versions: 5e U/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7S/FTP, 7A S/FTP

TECHNICAL DATA:

construction:	4x2	max. resistance 1-100 MHz:	9,5 (Ω /100m)
conductor core:	0,510 mm	operating temperature:	from -15°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:	aluminum foil	Delay Skew (ns/100m):	≤ 45
thickness:	0,55 mm	minimum bending 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



Cat. No.: SEC5EFTPLSZH

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
- also available in versions: 5e U/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7 S/FTP, 7A S/FTP

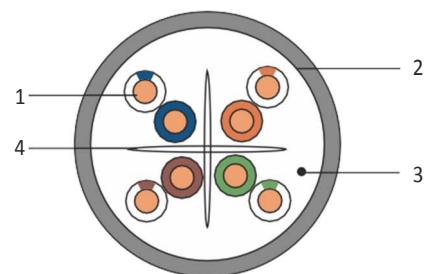
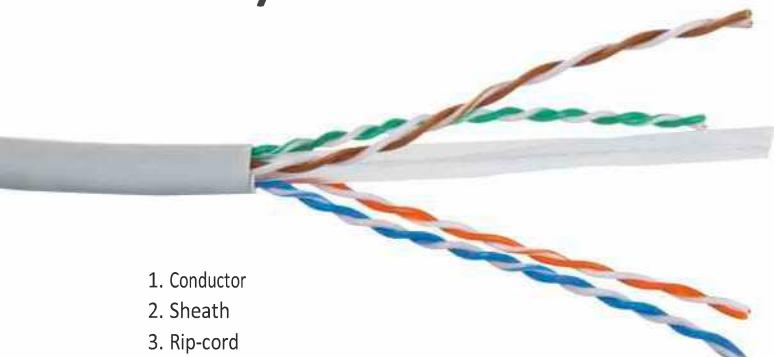
TECHNICAL DATA:

construction:	4x2	max. resistance 1-100 MHz:	9,5 ($\Omega/100m$)
conductor core:	0,510 mm	operating temperature:	from -15°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:	aluminum foil	Delay Skew (ns/100m):	≤ 45
thickness:	0,55 mm	minimum bending radius:	8 x diameter
nominal diameter:	6,3 mm LSZH	color:	RAL 7035
characteristic impedance 1-100 MHz:	100 Ω	CPR class:	Dca

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
- also available in versions: 5e U/UTP, 5e F/UTP, 6 F/UTP, 6A U/FTP, 7 S/FTP, 7A S/FTP

TECHNICAL DATA:

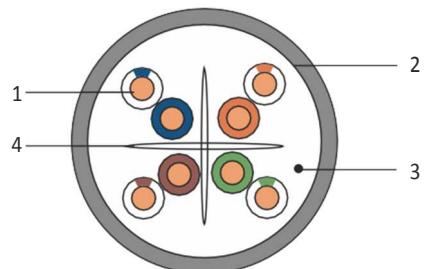
construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,55 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	68%
insulation core:	HDPE 0,95 mm	Delay Skew (ns/100 m):	≤45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	5,8 mm PVC	pair separator:	yes
characteristic impedance 1-250 MHz:	100 Ω	color:	RAL 7035
max. resistance 1-250 MHz:	9,5 (Ω/100m)	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

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 performer on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6 U/UTP
- also available in versions: 5e U/UTP, 5e F/UTP, 6 F/UTP, 6A U/FTP, 7S/FTP, 7A S/FTP

TECHNICAL DATA:

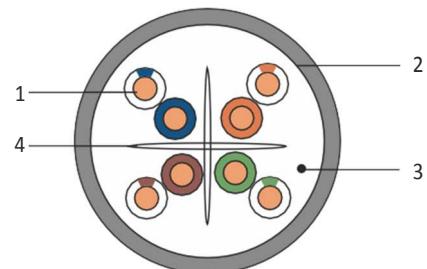
construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,55 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	68%
insulation core:	HDPE 0,95 mm	Delay Skew (ns/100 m):	≤45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	5,8 mm LSZH	pair separator:	yes
characteristic impedance 1-250 MHz:	100 Ω	color:	RAL 7035
max. resistance 1-250 MHz:	9,5 (Ω/100m)	CPR class:	Eca / Dca

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 U/UTP LSZH, CPR-Cca



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



Cat. No.: SEC6UTPLSZH

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.

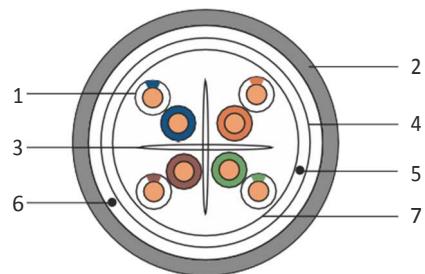
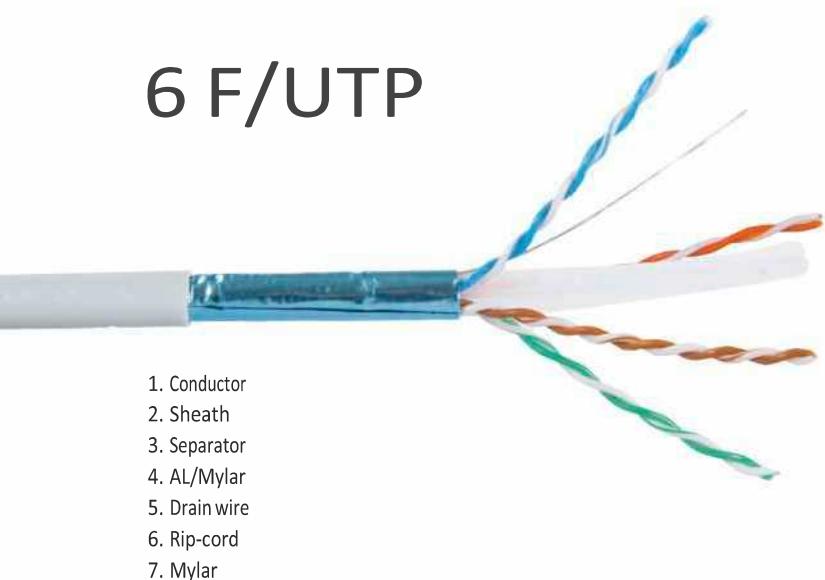
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performer on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6 U/UTP
- also available in versions: 5e U/UTP, 5e F/UTP, 6 F/UTP, 6A U/FTP, 7S/FTP, 7A S/FTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,55 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	68%
insulation core:	HDPE 0,95 mm	Delay Skew (ns/100 m):	≤45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	5,8 mm LSZH	pair separator:	yes
characteristic impedance 1-250 MHz:	100 Ω	color:	RAL 7035
max. resistance 1-250 MHz:	9,5 (Ω/100m)	CPR class:	Cca s1a, d0, 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



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.

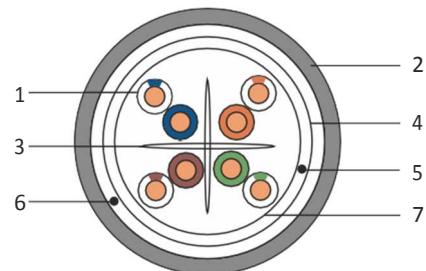
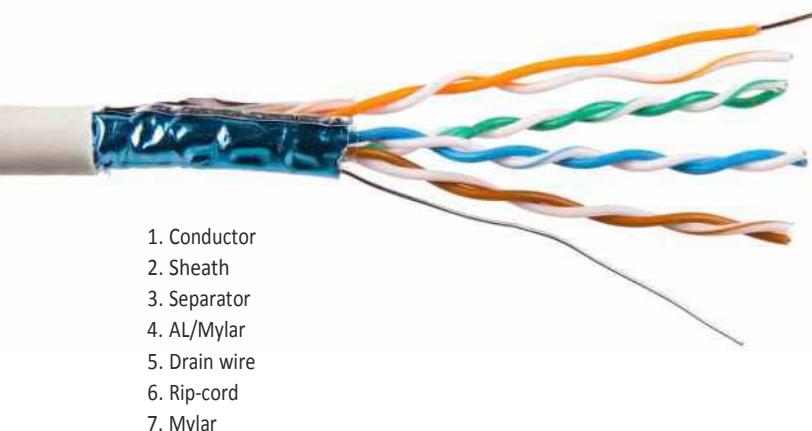
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performed on the distance of 90 meters with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 6 F/UTP
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP, 6A U/FTP, 7 S/FTP, 7A S/FTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -15°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	DelaySkew(ns/100m):	≤ 45
screen:	aluminum foil	bending radius:	8 x diameter
thickness:	0,6 mm	pair separator:	yes
nominal diameter:	7,4 mm PVC	color:	RAL 7035
characteristic impedance 1-250 MHz:	100 Ω	CPR class:	Eca
max. resistance 1-250 MHz:	9,5 (Ω/100 m)		

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



Cat. No.: SEC6FTPLSZH

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

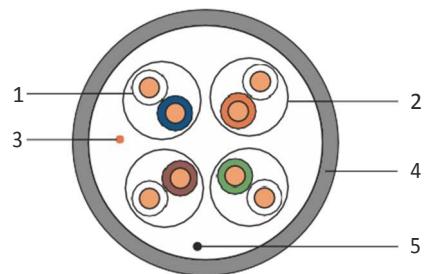
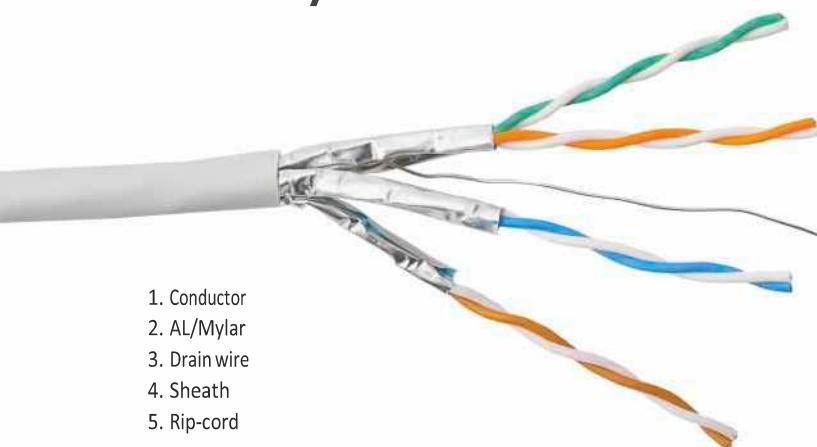
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performer on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6 F/UTP
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP, 6A U/FTP, 7 S/FTP, 7A S/FTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -15°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:	Eca / Dca

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/FTP LSZH



Cat. No.: SEC6AFTPLSZH

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

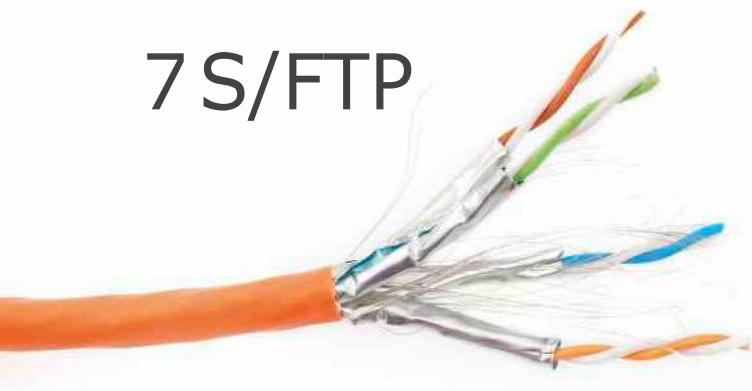
- for indoor use
- high-quality of the workmanship (copper)
- tested (measurement performer on the distance of 90 meters with Fluke Networks DSX-5000)
- meets requirements of cat. 6A U/FTP
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP, 6 F/UTP, 7 S/FTP, 7A S/FTP

TECHNICAL DATA:

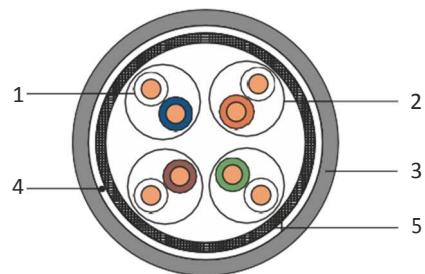
construction:	4x2	operating temperature:	from -15°C to +60°C
conductor core:	0,565 mm	installation temperature:	from 0°C to +50°C
execution core:	copper wire [Cu]	NVP:	75%
insulation core:	HDPE 1,12 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	bending radius:	8 x diameter
nominal diameter:	7,4 mm LSZH	color:	RAL 7035
characteristic impedance 1-250 MHz:	100 Ω	CPR class:	Eca / Dca
max. resistance 1-250 MHz:	9,5 (Ω/100 m)		

Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250	300	500
NEXT ≥ dB/100 m	74,3	65,3	59,3	56,2	54,8	51,9	47,4	44,3	39,8	38,3	37,1	33,8
Attenuation ≤ dB/100 m	-	3,8	5,9	7,5	8,4	10,5	15	19,1	27,6	31,1	34,3	45,3
Return loss ≥ dB/100 m	20	23	25	25	25	23,6	21,5	20,1	18	17,3	16,8	15,2
PSNEXT ≥ dB/100 m	72,3	63,3	57,3	54,2	52,8	49,9	45,4	42,3	37,8	36,3	35,1	31,8
ELFEXT ≥ dB/100 m	68	56	48	43,9	42	38,1	32,1	28	22	20	18,5	14
PSELFEXT ≥ dB/100 m	65	53	45	40,9	39	35,1	29,1	25	19	17	15,5	11
Delay ≤ ns/100 m	570	552	545	543	542	540	539	538	537	536	535	536

7 S/FTP



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



Cat. No.: SEC7SFTP

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
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7A S/FTP

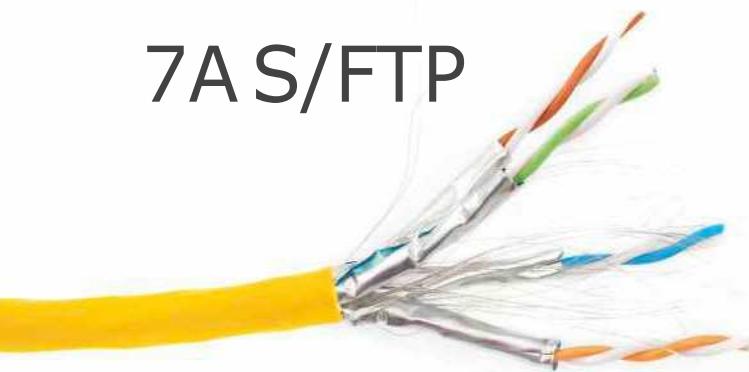
TECHNICAL DATA:

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:	aluminum 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:	Eca/Dca

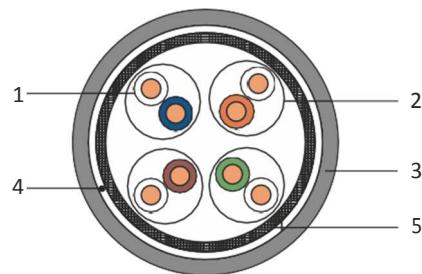
Transmission frequency	1	10	16	20	31,25	62,5	100	200	300	600
NEXT ≥ dB/100 m	80	80	80	80	80	75,1	72,4	68	65,3	60,8
Attenuation ≤ dB/100 m	2	5,7	7,2	8,1	10,1	14,5	18,5	28	33,3	48,9
Return loss ≥ dB/100 m	20	25	25	25	25	23	20	16	15	15
PSNEXT ≥ dB/100 m	77	77	77	77	77	72,5	69,4	65	62,3	57,8
ACR-N ≥ dB/100 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

INDOOR TWISTED PAIR CABLES

7A S/FTP



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



Cat. No.: SEC7ASFTP

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
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP, 6 F/UTP, 6A U/FTP, 7S/FTP

TECHNICAL DATA:

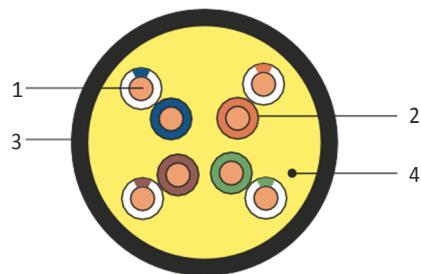
construction:	4x2	compression attenuation (rated):	85 dB
conductor core:	0,565 mm	drainage wire:	yes
execution core:	copper wire [Cu]	operating temperature:	from -20°C to +70°C
insulation core:	PE 1,33 mm	installation temperature:	from -5°C to +70°C
screen:	aluminum foil (individual pairs) braid	mutual capacitance:	45 pF/m
nominal diameter:	7,6 mm LSZH	bending radius:	8 x diameter
characteristic impedance 1-1200 MHz:	100 Ω	NVP:	74%
max. resistance 1-100 MHz:	9,38 (Ω/100m)	color:	RAL 1021
		CPR class:	Eca

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



Cat. No.: SEC5EUTPG

Security Net U/UTP jellytwisted cable (unshielded) cat5e 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)
- 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
- also available in versions: 5e F/UTP, 6 U/UTP, 6 F/UTP

TECHNICAL DATA:

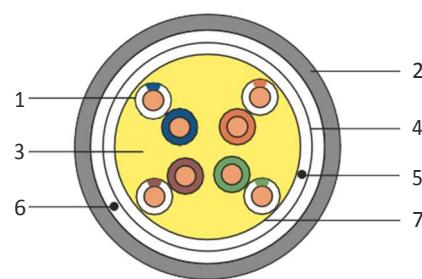
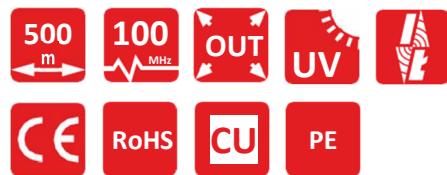
construction:	4x2	operating temperature:	from -30°C to +60°C
conductor core:	0,5 mm	installation temperature:	from -10°C to +70°C
execution core:	copper wire [Cu]	fulfillment:	jelly filled
insulation core:	HDPE 1,00 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	5,6 mm LDPE (compatible with RoHS)	NVP:	65%
characteristic impedance 1-100MHz:	100 Ω	color:	RAL 9005
max. resistance 1-100MHz:	9,5 (Ω/100m)	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
- also available in versions: 5e U/UTP, 6 U/UTP, 6 F/UTP

Cat. No.: SEC5EFTP

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	max. resistance 1-100MHz:	9,5 ($\Omega/100m$)
conductor core:	0,510 mm	operating temperature:	from -30°C to +60°C
execution core:	copper wire [Cu]	installation temperature:	from -10°C to +70°C
insulation core:	HDPE 1,02mm	fulfillment:	jelly filled
screen:	aluminum foil	DelaySkew(ns/100m):	≤ 45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	6,6 mm LDPE (compatible with RoHS)	NVP:	65%
characteristic impedance 1-100MHz:	100 Ω	color:	RAL 9005
		CPR class:	Fca

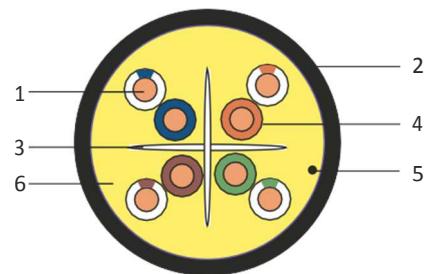
Transmission frequency	1	4	8	10	16	20	25	31,25	62,5	100
NEXT \geq dB/100 m	60	54,8	50	48,5	45,2	43,7	42,1	40,5	35,7	32,3
Attenuation \leq dB/100 m	3,0	3,9	5,5	6,2	7,9	8,9	10	11,2	16,2	21
Return loss \geq dB/100 m	19	19	19	19	19	19	18	17,1	14,1	12
PSNEXT \geq dB/100 m	57,0	51,8	47	45,5	42,2	40,7	39,1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

OUTDOOR TWISTED PAIR CABLES – JELLY FILLED

6 U/UTP



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



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.

- 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
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -30°C to +60°C
conductor core:	0,565 mm	installation temperature:	from -10°C to +70°C
execution core:	copper wire [Cu]	fulfillment:	jelly filled
insulation core:	HDPE 1,12 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	bending radius:	8 x diameter
nominal diameter:	7,1 mm LDPE	pair separator:	yes
characteristic impedance 1-250 MHz:	100 Ω	NVP:	65 %
max. resistance 1-100 MHz:	9,5 (Ω/100 m)	color:	RAL 9005
		CPR class:	Fca

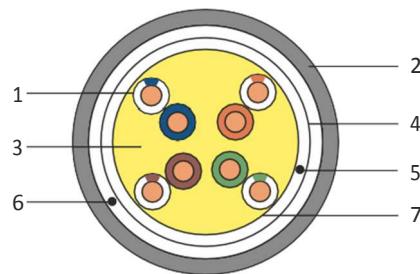
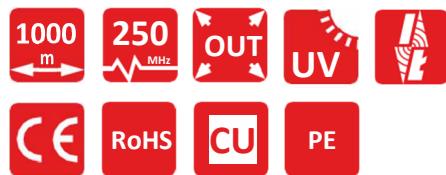
Transmission frequency	1	4	10	16	20	31,3	62,5	100	200	250
NEXT ≥ dB/100 m	65	64,1	57,8	54,6	53,1	50	45,1	41,8	36,9	35,3
Attenuation ≤ dB/100 m	3	3,5	5,5	7	7,9	10	14,4	18,6	27,4	31,1
Return loss ≥ dB/100 m	19,1	21	21	20	19,5	18,5	16	14	11	10
PSNEXT ≥ dB/100 m	62	61,8	55,5	52,2	50,7	47,5	42,7	39,9	34,3	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

OUTDOOR TWISTED PAIR CABLES – JELLY FILLED

6 F/UTP



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



- 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
- also available in versions: 5e U/UTP, 5e F/UTP, 6 U/UTP

Cat. No.: SEC6FTPG

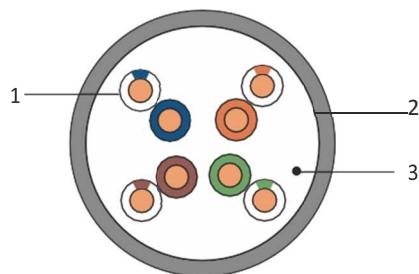
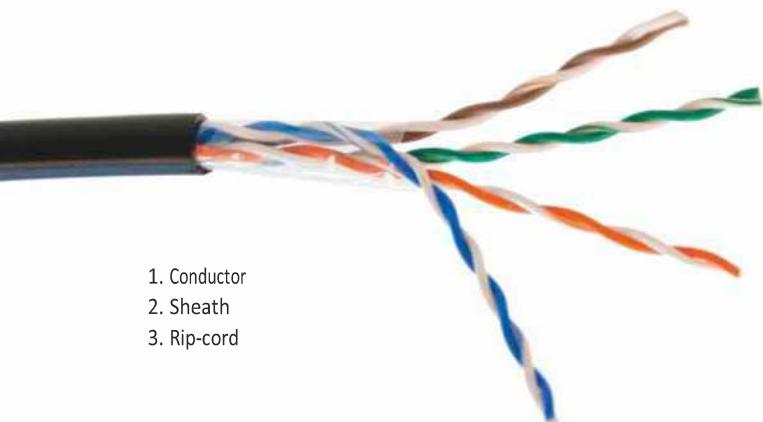
SecurityNet F/UTP jelly cable (shielded) cat. 6 is intended for outdoor installation, does not require covers or protecting tubes. FTP twisted cable (shielded) is perfectly suited for installations in computer networks, phone networks, CCTV systems, etc., which may be exposed to electromagnetic disturbance. 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.

TECHNICAL DATA:

construction:	4x2	operating temperature:	from -30°C to +60°C
conductor core:	0,565 mm	installation temperature:	from -10°C to +70°C
execution core:	copper wire [Cu]	fulfillment:	jelly filled
insulation core:	1,12 mm HDPE	DelaySkew(ns/100m):	≤ 45
screen:	aluminum foil	bending radius:	8 x diameter
thickness:	0,6 mm	NVP:	65%
nominal diameter:	7,8 mm LDPE	color:	RAL 9005
characteristic impedance 1-250MHz:	100 Ω	CPR clas:	Fca
max. resistance 1-250MHz:	9,5 (Ω/100 m)		

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

5e U/UTP



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)
- meets requirements of cat. 5e U/UTP

TECHNICAL DATA:

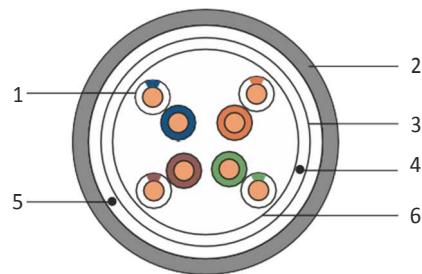
category:	4x2	operating temperature:	from -30°C to +60°C
conductor core:	0,5 mm	installation temperature:	from -10°C to +70°C
execution core:	copper wire [Cu]	fulfillment:	dry
insulation core:	HDPE 0,88 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	5,2 mm LDPE (compatible with RoHS)	NVP:	68%
characteristic impedance 1-100MHz:	100 Ω	color:	RAL 9005
max. resistance 1-100MHz:	9,5 (Ω/100 m)	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.: SEC5EFTP

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.

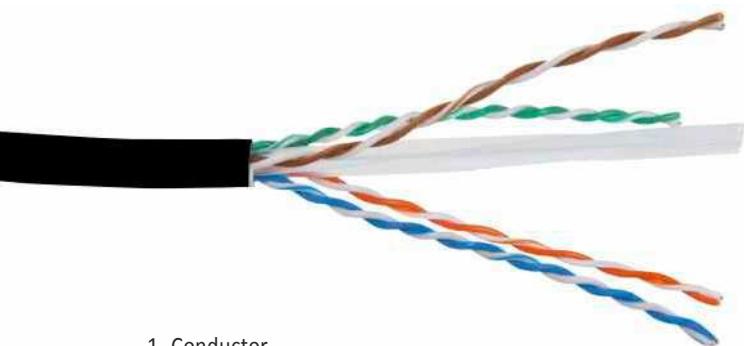
- for outdoor use (PE coat)
- dry
- high-quality of the workmanship (copper)
- UV- resistant
- tested (measurement performed on the distance of 90 metres with Fluke Networks DSX-5000 measure)
- meets requirements of cat. 5e F/UTP

TECHNICAL DATA:

construction:	4x2	fulfillment:	dry
conductor core:	0,51 mm	Delay Skew (ns/100 m):	≤ 45
execution core:	copper wire [Cu]	operating temperature:	from -30°C to +60°C
insulation core:	HDPE 1,02 mm	installation temperature:	from -10°C to +70°C
thickness:	0,55 mm	bending radius:	8 x diameter
nominal diameter:	6,3 mm LDPE (compatible with RoHS)	NVP:	68%
characteristic impedance 1-100MHz:	100 Ω	color:	RAL 9005
max. resistance 1-100MHz:	9,5 (Ω/100 m)	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

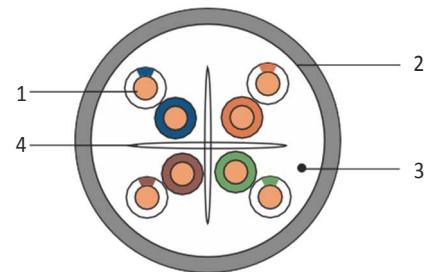
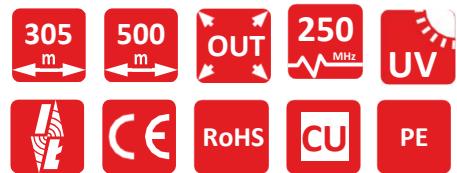
6 U/UTP



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

nr kat: SEC6UTPD

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

DANE TECHNICZNE:

construction:	4x2	operating temperature:	od-20°C do+60°C
conductor core:	0,57 mm	installation temperature:	od-10°C do+70°C
execution core:	copper wire [Cu]	implication:	dry cable
insulation core:	HDPE 0,98 mm	Delay Skew (ns/100 m):	≤ 45
thickness:	0,6 mm	bending radius:	8 x diameter
shell:	LDPE 7,0 mm	NVP:	66%
characteristic impedance 1-250 MHz:	100 Ω	color:	RAL 9005
max. resistance 1-100 MHz:	9,5 (Ω/100 m)	CPR class:	Fca

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

TABLE OF CABLE'S PACKAGES

	305m	500m	1000m
SEC5EUTP	•		
SEC5EFTP	•	•	
SEC5EUTPLSH	•		
SEC6UTP	•		
SEC5FFTPLSH	•		
SEC6FTP	•		
SEC6UTPLSH	•		
SEC6UTPLSCHCA	•		
SEC6FTPPLSH	•	•	
SEC6AFTPPLSH		•	
SEC7SFTP			•
SEC7ASFTP		•	•
SEC5EUTPG	•	•	
SEC5EFTPG		•	
SEC6UTPG		•	
SEC6FTPBG			•
SEC5EUTPD		•	
SEC5EFTPD	•	•	
SEC6UTPD	•	•	

INDICATIONS

-  100 m roll
-  305 m box
-  500 m barrel
-  1000 m barrel
-  Frequency 100 Mhz
-  Frequency 250 Mhz
-  Frequency 600 Mhz
-  Frequency 1200 Mhz
-  OUT
-  IN For outdoor installation
-  UV For indoor installation
-  LSZH UV - resistant
-  CE Outer sheath LSZH
-  It has opinion and research of Institute for Telecommunication Science
-  CE certificate
-  RoHS Complies RoHS directive
-  CU Made of copper
-  CPR Compliant with the CPR directive
-  PE Outer shell polyethy



Connectivity products



CCAS-K5E-UTP

RJ45 Keystone module UTP cat. 5e

Module keystone cat. 5e UTP is designed to terminate the installation cable in connection sockets and empty panels. The "keystone" mounting system ensures compatibility with sockets of different manufacturers UTP version (unshielded) is designed for installation in places exposed to electromagnetic interference. The module meets the requirements of structural cabling standards: ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- ⦿ quick and easy installation
- ⦿ for indoor use
- ⦿ compatible with LSA tools
- ⦿ high quality materials
- ⦿ tested, measurement performed with 5e UTP cat. cable at a distance of 90m using the Fluke Networks DSX-5000
- ⦿ meets requirements of cat. 5e UTP
- ⦿ also available in versions 5e UTP, 6 UTP, 6 STP, 6A STP

Technical data:

- ⦿ unshielded
- ⦿ RJ45 8P8C jack (keystone)
- ⦿ fits in to „keystone“ panel or faceplates
- ⦿ RJ45 jack housing: ABS+PC White color
- ⦿ terminating 4 pairs, 22-26 AWG cable
- ⦿ operating temperature: -10°C do 60°C

Ordering information

Code	Description	Packaging
CCAS-K5E-UTP	RJ45 keystone UTP cat. 5e	1



CCAS-K6-UTP

RJ45 Keystone module UTP cat. 6

Module keystone cat. 6 UTP is designed to terminate the installation cable in connection sockets and empty panels. The "keystone" mounting system ensures compatibility with sockets of different manufacturers UTP version (unshielded) is designed for installation in places exposed to electromagnetic interference. The module meets the requirements of structural cabling standards: ISO/IEC11801, EN50173, TIA/EIA 568-C.2.

Product features:

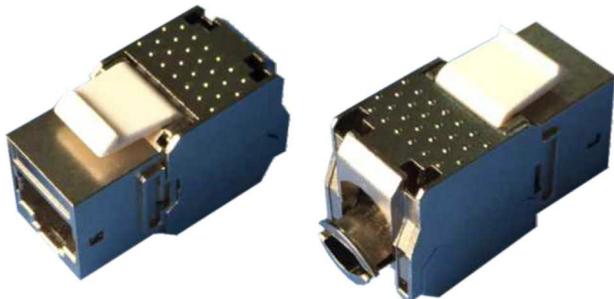
- ⦿ quick and easy installation
- ⦿ for indoor use
- ⦿ compatible with LSA tools
- ⦿ high quality materials
- ⦿ tested, measurement performed with 5e UTP cat. cable at a distance of 90m using the Fluke Networks DSX-5000
- ⦿ meets requirements of cat. 6 UTP
- ⦿ also available in versions 5e UTP, 6 UTP, 6 STP, 6A STP

Technical data:

- ⦿ unshielded
- ⦿ RJ45 8P8C jack (keystone)
- ⦿ fits in to „keystone” panel or faceplates
- ⦿ RJ45 jack housing: ABS+PC White color
- ⦿ terminating 4 pairs, 22-26 AWG cable
- ⦿ operating temperature: -10°C do 60°C

Ordering information

Code	Description	Packaging
CCAS-K6-UTP	RJ45 keystone UTP cat. 6	1



CCAS-K5E-STP

RJ45 Keystone module STP cat. 5e TOOLLESS

Module keystone cat. 5e STP is designed to terminate the installation cable in connection sockets and empty panels. The "keystone" mounting system ensures compatibility with sockets of different manufacturers STP version (shielded) is designed for installation in places exposed to electromagnetic interference. The module meets the requirements of structural cabling standards: ISO/IEC 11801, EN 50173, TIA/EIA 568-C.2.

Product features:

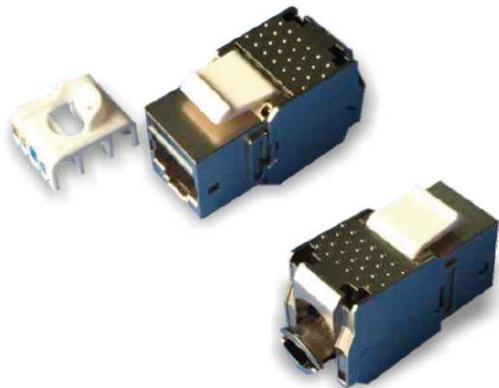
- ④ quick and easy installation
- ④ for indoor use
- ④ IDC compatible without using tools
- ④ high quality materials
- ④ tested, measurement performed with 5e STP cat. cable at a distance of 90m using the Fluke Networks DSX-5000
- ④ meets requirements of cat. 5e STP
- ④ also available in versions 5e UTP, 6 UTP, 6 STP, 6A STP

Technical data:

- ④ shielded
- ④ RJ45 8P8C jack (keystone)
- ④ fits in to „keystone“ panel or faceplates
- ④ RJ45 jack housing: zinc alloy
- ④ terminating 4 pairs, 22-26 AWG cable
- ④ operating temperature: -10°C do 60°C

Ordering information

Code	Description	Packaging
CCAS-K5E-STP	RJ45 keystone STP cat. 5e TOOLLESS	1



CCAS-K6-STP

RJ45 Keystone module STP cat. 6 TOOLLESS

Module keystone cat. 6 STP is designed to terminate the installation cable in connection sockets and empty panels. The "keystone" mounting system ensures compatibility with sockets of different manufacturers STP version (shielded) is designed for installation in places exposed to electromagnetic interference. The module meets the requirements of structural cabling standards: ISO/IEC11801, EN50173, TIA/EIA 568-C.2.

Product features:

- ④ quick and easy installation
- ④ for indoor use
- ④ IDC compatible without using tools
- ④ high quality materials
- ④ tested, measurement performed with 6STP cat. cable at a distance of 90m using the Fluke Networks DSX-5000
- ④ meets requirements of cat. 6 STP
- ④ also available in versions 5e UTP, 6 UTP, 6 STP, 6A STP

Technical data:

- ④ shielded
- ④ RJ45 8P8C jack (keystone)
- ④ fits in to „keystone“ panel or faceplates
- ④ RJ45 jack housing: zinc alloy
- ④ terminating 4 pairs, 22-26 AWG cable
- ④ operating temperature: -10°C do 60°C

Ordering information

Code	Description	Packaging
CCAS-K5E-UTP	RJ45 keystone module STP cat. 6 TOOLLESS	1



CCAS-K6A-STP

RJ45 Keystone module STP cat. 6A TOOLLESS

Module keystone cat. 6A STP is designed to terminate the installation cable in connection sockets and empty panels. The "keystone" mounting system ensures compatibility with sockets of different manufacturers STP version (shielded) is designed for installation in places exposed to electromagnetic interference. The module meets the requirements of structural cabling standards: ISO/IEC11801, EN50173, TIA/EIA568-C.2.

Product features:

- ④ quick and easy installation
- ④ for indoor use
- ④ IDC compatible without using tools
- ④ high quality materials
- ④ tested, measurement performed with 6STP cat. cable at a distance of 90m using the Fluke Networks DSX-5000
- ④ meets requirements of cat. 6A STP
- ④ also available in versions 5e UTP, 6 UTP, 6 STP, 6A STP

Technical data:

- ④ shielded
- ④ RJ45 8P8C jack (keystone)
- ④ fits in to „keystone” panel or faceplates
- ④ RJ45 jack housing: zinc alloy
- ④ terminating 4 pairs, 22-26 AWG cable
- ④ operating temperature: -10°C do 60°C

Ordering information

Code	Description	Packaging
CCAS-K6A-STP	RJ45 keystone module STP cat. 6A TOOLLESS	1



CCAS-PAEM-24

Panel for Keystone 24xRJ45 with shelf

The empty panel for keystone modules of the CCAS-Kxx-xx series is dedicated to the installation of twisted-pair cables in the 19 " telecommunications cabinet. Designed for applications with unshielded and shielded modules of categories 5e, 6 and 6A. The panel is characterized by the possibility of any individual configuration. The panel meets the requirements of standards structured cabling : ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with Keystone modules
- meets For applications with unshielded and shielded modules cat.5e, 6 and 6A.

Technical data:

- shielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color black
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 160mm

Ordering information

Code	Description	Packaging
CCAS-PAEM-24	19" 1U Patch panel 24port without keystone modules	1



CCAS-PA5E-24UTP

Panel cat.5e UTP 24xRJ45 with shelf

Panel cat. 5e UTP (unshielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling : ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 5e UTP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 29,7mm (with shelve 80mm)

Ordering information

Code	Description	Packaging
CCAS-PA5E-UTP	19" 1U Patch panel cat.5e UTP 24port	1



CCAS-PA6-24UTP

Panel cat.6 UTP 24xRJ45 with shelf

Panel cat. 6 UTP (unshielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling : ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 6 UTP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 29,7mm (with shelve 80mm)

Ordering information

Code	Description	Packaging
CCAS-PA6-UTP	19" 1U Patch panel cat.6 UTP 24port	1



CCAS-PA5E-24UTP-O

Panel cat.5e UTP 24xRJ45 with shelf

Panel cat. 5e UTP (unshielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling : ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 5e UTP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 100mm

Ordering information

Code	Description	Packaging
CCAS-PA5E-UTP-O	19" 1U Patch panel cat.5e UTP 24port with shelf	1



CCAS-PA6-24UTP-O

Panel cat.6 UTP 24xRJ45 with shelf

Panel cat. 6 UTP (unshielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling : ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 6 UTP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 100mm

Ordering information

Code	Description	Packaging
CCAS-PA6-UTP-O	19" 1U Patch panel cat.6 UTP 24port with shelf	1



CCAS-PA5E-24STP-O-2

Panel cat.5e STP 24xRJ45 with shelf

Panel cat. 5e STP (shielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling: ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 5e STP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 100mm

Ordering information

Code	Description	Packaging
CCAS-PA5E-STP-O2	19" 1U Patch panel cat.5e STP 24port with shelf	1



CCAS-PA6-24STP-O-2

Panel cat.6 STP 24xRJ45 with shelf

Panel cat. 6 STP (shielded) is intended for the installation of cable ends in a 19" telecommunications cabinet. Perfect for installation in computer networks, CCTV systems, etc., exposed for electromagnetic interference. The panel meets the requirements of standards structured cabling: ISO / IEC 11801, EN 50173, TIA / EIA 568-C.2.

Product features:

- for indoor use
- equipped with a guide for easy fixing of cables
- port numbering
- compatible with LSA tools
- terminating 4 pairs, 22-26 AWG cable
- tested, measurement performed with cat.5e UTP cable at a distance of 90m using the Fluke Networks DSX-5000
- meets requirements of cat. 6 STP

Technical data:

- unshielded
- 24 x RJ45, 1U
- equipped with a cable guide
- color coded for T568A and T568B wiring schemes
- panel: SPCC, 1.5mm thickness, RAL 9005
- size: 482,6 x 44,5 x 100mm

Ordering information

Code	Description	Packaging
CCAS-PA6-STP-O2	19" 1U Patch panel cat.6 STP 24port with shelf	1

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