

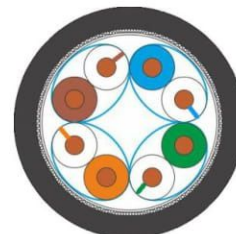


INSTALLATION CABLE SHIELDED S/FTP 4x2x23 AWG OUTDOOR

S/FTP cat. 7 PE + gel tape

OUTDOOR TELECOMMUNICATION CABLE WITH GEL TAPE

High-quality telecommunication screened four-pair category 7 cable with an outer sheath made of black polyethylene (PE), resistant to UV radiation and weather conditions. Secured with a gel tape to protect against water penetration. Designed for outdoor installations in telecommunication networks, including direct burial, duct installation, or aerial deployment.



Construction

Conductor	Copper wire (Cu), diameter Ø 0.57 mm (AWG 23)
Number and diameter of conductors	4 x 2 x Ø 0.57 mm (4 x 2 twisted pairs, each shielded)
Insulation	Foamed polyethylene HDPE - Ø 1.35 mm ± 0.05 mm
Shielding	Al/PET foil on each pair + tinned copper braid covering 31%
Outer sheath	UV-resistant PE + gel tape, overall diameter Ø 7.2 mm ± 0.5 mm, black color

Standards

ISO/IEC 11801-1 ; EN 50173-1
IEC 61156-5 ; EN 50288-4-1

Applications

PBX, V.11, X.21, ISDN, Ethernet (10Base-T), ATM-25/52/155 Mbit/s, 100VG-AnyLAN, Token Ring 16/100 Mbit/s ; Fast Ethernet (100BASE-TX), Gigabit Ethernet (1000BASE-T), 2.5 Gbit/s Ethernet (2.5GBASE-T), 5 Gbit/s (5GBASE-T), 10GBASE-T, HDBaseT ; PoE, PoE+, PoE++

Mechanical Properties

Minimum bending radius	installation/installed	Diameter x 8 / Diameter x 4
Temperature range	installation/operation	-10°C to +60°C / -40°C to +60°C

Electrical Properties (at 20°C ± 5°C)

DC resistance	≤ 74 Ω/km
Resistance unbalance in transmission circuits	≤ 2 %
Nominal capacitance	≤ 56 pF/m
Signal propagation speed	0,79 s
Transmission circuit impedance 1-100 MHz / 100-250 MHz / 250-600 MHz	100 Ω ± 15 Ω / 100 Ω ± 22 Ω / 100 Ω ± 25 Ω
Propagation delay	≤ 534+36/√f ns/100m
Test voltage between conductors (DC, 2s)	2,5 kV
Insulation resistance	> 5 GΩ/km

Transmission parameters - according to IEC 61156-5 (at 20°C)

Frequency	Attenuation max	NEXT (Near-End Crosstalk) min	PS-NEXT (Power Sum NEXT) min	ELFEXT (Equal Level Far-End Crosstalk) min	PS-ELFEXT (Power Sum ELFEXT) min	RL (Return Loss) min
MHz	dB/100m	dB	dB	dB/100m	dB/100m	dB
4	3,7	78	75,0	78,1	75,0	23,0
10	5,9	78	75,0	75,0	72,1	25,0
16	7,4	78	75,0	71,2	68,2	25,0
20	8,3	78	75,0	69,1	66,1	25,0
31.25	10,4	78	75,0	65,2	62,3	23,6
62.5	14,7	78	75,0	59,2	56,2	21,5
100	18,6	75	72,0	55,1	52,3	20,1
200	26,5	71	68,0	49,1	46,3	18,0
300	32,8	68	65,0	45,9	42,9	17,3
400	38,1	66	63,0	43,1	40,1	17,3
600	47,2	64	61,0	39,9	36,9	17,3

Technical Data

Product code	Designation	Outer diameter	CPR	Cable weight	Standard reel lengths	Custom lengths available	Max tensile strength
S/FTP cat.7 PE + gel tape	UC-U-X7-PE	7,2 mm	Fca	49 kg/km	500 m	100, 200, 300 m	85 N



We reserve the right to introduce changes.
For all inquiries, please contact us at the following phone numbers:
(42) 636-31-17, (42) 637-43-31
E-mail: poczta@satec.com.pl | Website: www.satec.com.pl
SATEC Sp.J. PL 92-318 Łódź, Al. Piłsudskiego 141