

**FEATURES:**

Compliant with all category 6A requirements as:

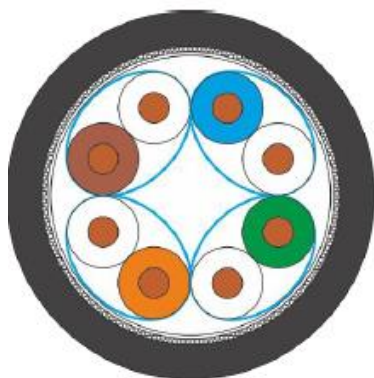
- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1
- IEC61156-5:2012 (Edition 2.0)
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-4-1:2011
- RoHS compliant (EU Directive 2011/65/EC)



**CONFIGURATION:**

Conductor	Material	Bare Copper
	Construction	23 AWG
Insulation	Material	HDPE
	Diameter	1.35 ± 0.10mm
Pair shielding	Material	Individual Al/Pet foil (metal outside)
Core wrapping	Material	PET-film
Core shield	Material	Al/Pet foil
Sheath	Material	UV-stabilized PE, thickness 0,6 mm
Sheath	Size	Nominal diameter 7.3 mm

**DRAWING:**



2	3
ORANGE /WHITE	GREEN /WHITE
BLUE /WHITE	BROWN /WHITE
1	4

Premium Line Systems GmbH reserves the right to change specifications without prior notice.

**APPLICATIONS:**

- 1000BASE-TX, 1000BASE-T and lower protocol
- Campus backbone for CCTV System
- Outside plant applications
- PoE, PoE+, PoE++

**ELECTRICAL PERFORMANCE:**

Parameter	Unit	Value
Capacitance	pF/m	≤ 56
Direct current resistance	Ohm/km	≤ 79
Insulation resistance	GOhm*km	≥ 5
Resistance unbalance	%	2
Signal propagation velocity	s	0,79
Propagation delay	ns/100 m	≤ 534+36/√f
Characteristic impedance in the frequency range of: 1-100 MHz 100-250 MHz 250-500 MHz	Ohm	100±15 100±22 100±25
Test voltage between cores, (DC, 2 s)	kV	2,5

Frequency, MHz	1	4	10	16	20	31,25	62,5	100	125	200	250	300	400	500
Attenuation, dB, max	2,1	3,8	5,9	7,5	8,4	10,5	15	19,1	21,5	27,6	31	34	40	45
NEXT, dB, min	75	66	60	57	56	53	48	45	44	41	39	38	36	35
PS NEXT, dB, min	72	63	57	54	53	50	45	42	41	38	36	35	33	32
ELFEXT, dB, min	68	56	48	44	42	38	32	28	26	22	20	18	16	14
PS ELFEXT, dB, min	65	53	45	41	39	35	29	25	23	19	17	15	13	11
RL, dB, min	20	23	25	25	25	23,6	21,5	20,1	19,4	18	17	17	17	17

**ORDERING INFORMATION:**

Part No.	729443222-B
Description	Cat.6A S/FTP outdoor installation cable, PE, black
Packing	500m / Plywood reel

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