

FEATURES:

compliant with all category 6A requirements as:

- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1 Class Ea:2017
- IEC61156-5:2012(Edition 2.0)
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-10-1:2012
- CPR Class Fca

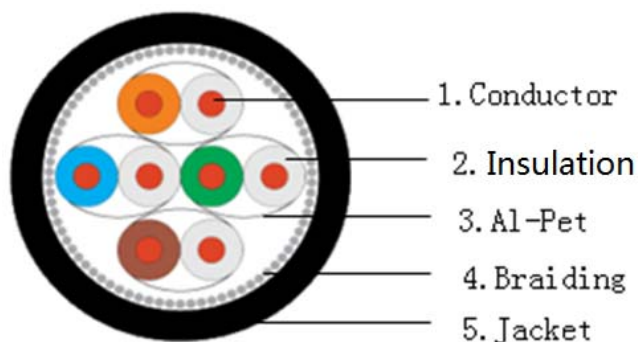
compliant with safety standard as:

- RoHS compliant(EU Directive 2011/65/EC)

CONFIGURATION:

Conductor	Material	Bare Copper
	Construction	23 AWG
Insulation	Material	Foam-Skin PE
	Diameter	Nominal: 1.38 ± 0.1 mm
Inner-Shield	Aluminum-Mylar	Al-PET foil screen around each pair
Braid	Material	Aluminum Magnesium Alloy wire
Sheath	Material	PE / black
	Diameter	Nominal: 7.8 ± 0.2 mm

DRAWING:



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

APPLICATIONS:

- 10G BASE-T Ethernet, 1000 BASE-TX Gigabit Ethernet, 1000 BASE-T Gigabit Ethernet

ELECTRICAL PERFORMANCE:

Impedance	64kHz	125Ω± 20%
	1~300MHz	100Ω± 15%
	300~600MHZ	100Ω± 25%



ISO



Typical

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		Return Loss (dB)		ACR (dB)	PSACR (dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	2.1	2.0	74.3	78.0	72.3	75.0	20.0	20.0	76.0	73.0
4	3.8	3.4	65.3	78.0	63.3	75.0	23.0	23.0	74.3	71.3
10	5.9	5.8	59.3	78.0	57.3	75.0	25.0	25.0	72.1	69.1
16	7.5	7.4	56.2	78.0	54.2	75.0	25.0	25.0	70.6	67.6
31.25	10.5	10.4	51.9	78.0	49.9	75.0	23.6	23.6	67.6	64.6
62.5	15.0	14.8	47.4	75.4	45.4	72.4	21.5	21.5	60.6	57.6
100	19.1	19.0	44.3	72.4	42.3	69.4	20.1	20.1	53.4	50.4
250	31.1	30.9	38.3	66.4	36.3	63.4	17.3	17.3	35.5	32.5
500	47.6	45.2	33.2	61.9	31.2	58.9	14.9	17.3	31.1	28.1
*600	50.0	50.1	32.7	60.7	30.7	57.7	14.6	17.3	27.1	24.1

ORDERING INFORMATION:

Part No. 729443222

Description Cat.6A S/FTP outdoor installation cable, PE, 500m/reel, black

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