

FEATURES:

Compliant with Cat.6A requirements as :

- ISO/IEC 11801-1 Class Ea:2017
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-10-1:2013
- IEC 61156-5:2020
- ANSI/TIA 568.2-E:2024
- 3P Verified

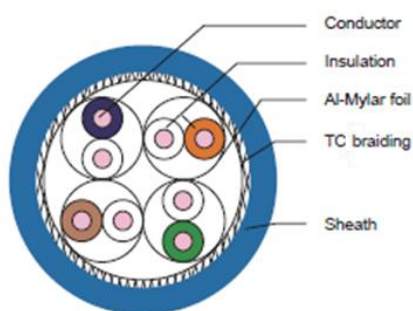
Compliant with safety standard as

- IEC 60332-1-2:2004
- IEC 61034-1 / 61034-2:2013
- IEC 60754-2:2011(Edition 2.0)
- RoHS compliant (EU Directive 2011/65/EC)



CONFIGURATION:

Conductor	Material	Bare Copper
	Construction	23AWG
Insulation	Material	Foam-Skin PE
	Diameter	1.34 ± 0.1mm
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair
Braid	Material	Tinned Copper
Sheath	Material	LSOH
	Diameter	7.4 ± 0.3mm
Operation Temperature		-20°C~+60°C
Installation Temperature		0°C~+50°C
Storage Temperature		-30°C~+60°C



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

APPLICATION:

- 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)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		ACR (dB)	PSACR (dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	2.1	1.7	74.3	100.0	72.3	97.0	67.8	90.0	64.8	87.0	20.0	30.0	98.3	95.3
4	3.8	3.4	65.3	100.0	63.3	97.0	55.8	90.0	52.8	87.0	23.0	33.0	96.6	93.6
10	5.9	5.0	59.3	100.0	57.3	97.0	47.8	90.0	44.8	87.0	25.0	35.0	95.0	92.0
16	7.5	6.4	56.2	100.0	54.2	97.0	43.7	90.0	40.7	87.0	25.0	35.0	93.6	90.6
20	8.4	7.1	54.8	100.0	52.8	97.0	41.8	90.0	38.8	87.0	25.0	35.0	92.9	89.9
31.25	10.5	9.0	51.9	100.0	49.9	97.0	37.9	90.0	34.9	87.0	23.6	33.6	91.0	88.0
62.5	15.0	13.0	47.4	100.0	45.4	97.0	31.9	85.0	28.9	82.0	21.5	31.5	87.0	84.0
100	19.1	16.8	44.3	98.0	42.3	95.0	27.8	81.0	24.8	78.0	20.1	30.1	81.2	78.2
200	27.6	24.0	39.8	93.0	37.8	90.0	21.8	77.0	18.8	74.0	18.0	28.0	69.1	66.1
250	31.1	28.7	38.3	92.0	36.3	89.1	19.8	76.0	16.8	73.0	17.3	27.3	63.6	60.6
300	34.3	30.0	37.1	91.0	35.1	88.0	18.3	71.0	15.3	68.0	16.8	27.0	61.8	58.8
400	40.1	33.9	35.3	89.0	33.3	86.1	15.8	68.1	12.8	65.1	15.9	26.5	55.7	52.7
550	47.6	38.1	33.2	86.0	31.2	84.3	13.0	66.2	10.0	63.1	14.9	26.0	50.1	47.1
600	50.0	43.1	32.7	84.8	30.7	83.1	12.3	60.0	9.3	57.0	14.6	25.8	43.6	40.6

ORDERING INFORMATION:

Part NO. 20944422x

Description Cat.6A S/FTP installation cable, LSOH, 500m/reel

x, color 0: orange 5: grey

Premium-Line Systems GmbH, Rosenheimer Str.89, D-83064 Raubling, Germany

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