

FEATURES:

Compliant with category 7 requirements as:

- ISO/IEC 11801-1:2017
- CENELEC EN 50288-4-1:2013
- IEC 61156-5:2012((Edition 2.0))
- CENELEC EN 50173-1:2018

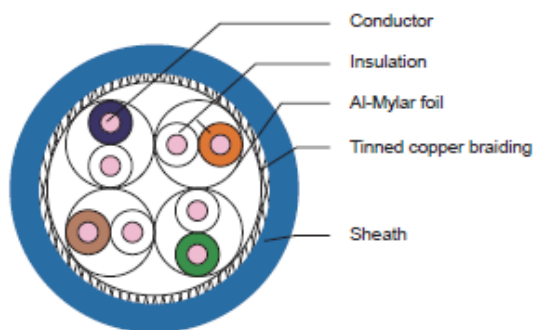


Compliant with safety standard as

- IEC 60332-1-2:2004
- IEC 60332-3-24:2009 (can be supplied according to the requirements)
- 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	23 AWG
Insulation	Material	Foam-Skin PE
	Diameter	1.38 ± 0.05 mm
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair
Braid	Material	Tinned Copper
Sheath	Material	LSOH
	Diameter	7.8 ± 0.2 mm
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

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

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%
	300~1000MHZ	100Ω± 25%

IEC 61156-5

Typical

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		ACR (dB)	PSACR (dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	1.9	1.7	78.0	100.0	75.0	97.0	77.0	90.0	75.0	87.0	20.0	30.0	98.3	95.3
4	3.5	3.4	78.0	100.0	75.0	97.0	77.0	90.0	75.0	87.0	23.0	33.0	96.6	93.6
10	5.4	5.0	78.0	100.0	75.0	97.0	74.0	90.0	71.0	87.0	25.0	35.0	95.0	92.0
16	6.8	6.4	78.0	100.0	75.0	97.0	70.0	90.0	67.0	87.0	25.0	35.0	93.6	90.6
20	7.6	7.1	78.0	100.0	75.0	97.0	68.0	90.0	65.0	87.0	25.0	35.0	92.9	89.9
31.25	9.6	9.0	78.0	100.0	75.0	97.0	64.0	90.0	61.0	87.0	23.6	33.6	91.0	88.0
62.5	13.7	13.0	78.0	100.0	75.0	97.0	58.0	85.0	55.0	82.0	21.5	31.5	87.0	84.0
100	17.5	16.8	76.0	98.0	73.0	95.0	54.0	81.0	51.0	78.0	20.1	30.1	81.2	78.2
200	25.3	23.9	71.0	93.0	68.0	90.0	48.0	77.0	45.0	74.0	18.0	28.0	69.1	66.1
250	28.5	28.5	70.0	92.1	67.0	89.1	46.0	76.0	43.0	73.0	17.3	27.3	63.6	60.6
300	31.5	29.2	69.0	91.0	66.0	88.0	44.0	71.0	41.0	68.0	17.3	27.3	61.8	58.8
350	34.3	33.4	68.0	89.1	65.0	86.1	43.0	68.1	40.0	65.1	17.3	27.3	55.7	52.7
400	36.9	37.2	67.0	87.3	64.0	84.3	42.0	66.2	39.0	63.1	17.3	27.3	50.1	47.1
550	44.1	42.5	65.0	86.1	62.0	83.1	39.0	60.0	36.0	57.0	17.3	27.3	43.6	40.6
600	46.3	48.2	64.0	83.1	61.0	80.1	38.0	52.1	35.0	49.1	17.3	27.3	37.4	34.0
800	54.5	53.8	62.0	82.0	59.0	79.0	36.0	48.0	33.0	45.0	16.1	25.0	29.8	27.1
1000	62.0	57.5	61.0	81.0	58.0	78.0	34.0	46.0	31.0	43.0	15.1	24.0	23.5	20.5

Part No. 207442x2y

Ver. 1902

Product Specification

ORDERING INFORMATION:

Part NO.	207442x2y		
Description	Cat.7 S/FTP installation cable, LSOH		
x, length	2: 500m	3: 1000m	
y, color	5: grey	0: orange	
Packing	500m/reel	40(O.D) x 35(H) cm,	weight N.W. 28kg, G.W. 33kg
	1000m/reel	57(O.D) x 48(H) cm,	weight N.W. 56kg, G.W. 63kg

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