

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
- ANSI/TIA 568.2-D:2018

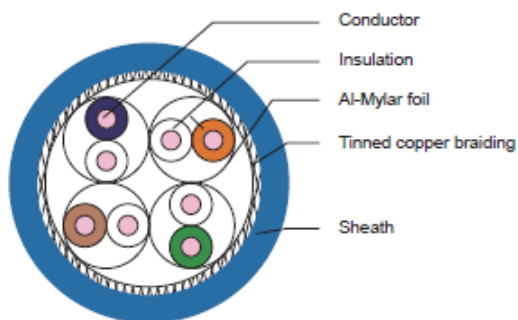


Compliant with safety standard as

- 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	1.33 ± 0.1 mm	1.35 ± 0.1 mm
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair	
Braid	Material	Tinned Copper	
Sheath	Material	LSOH-1	LSOH-3
	Diameter	7.4 ± 0.4 mm	7.6 ± 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. 20744xy7z

Ver. 2501

Product Specification

ORDERING INFORMATION:

Part NO.	20744xy7z		
Description	Cat.7 S/FTP installation cable, 1000MHz, LSOH		
x, sheath	2: LSOH(IEC60332-1-2) 0:LSOH(IEC60332-3-24)		
y, length	2: 500m 3: 1000m		
z, color	5: grey 8: yellow 0: orange		
Packing	500m/reel	57(O.D) x 20(H) cm,	weight N.W. 26kg, G.W. 31kg
	1000m/reel	57(O.D) x 48(H) cm,	weight N.W. 53kg, G.W. 60kg

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