

FEATURES:

Compliant with Cat.6A requirements as :

- ISO/IEC 11801-1 Class Ea:2017
- CENELEC EN 50288-10-1:2012
- IEC 61156-5:2012(Edition 2.0)
- ANSI/TIA 568.2-D:2018
- EN50173-1:2018

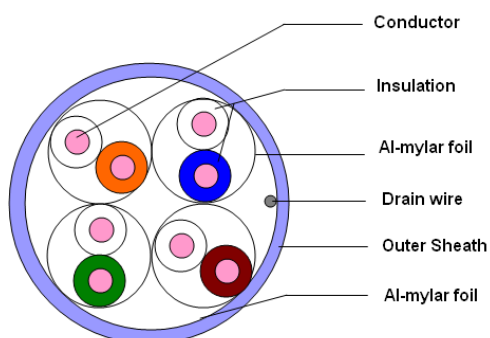
Compliant with safety standard as:

- 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	23 AWG	
Insulation	Material	Foam-Skin PE	
	Diameter	1.35 ± 0.10 mm	
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair	
Drain Wire	Tinned copper	Tinned Copper / 26AWG	
Braiding	Material	Aluminum Foil	
Sheath	Material	PVC	LSOH
	Diameter	7.4 ± 0.3 mm	7.4 ± 0.3 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.

Part No. 20974xy25

Ver. 2201

Product Specification

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)		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	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	23.9	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	28.5	38.3	92.1	36.3	89.1	19.8	76.0	16.8	73.0	17.3	27.3	63.6	60.6
300	34.3	29.2	37.1	91.0	35.1	88.0	18.3	71.0	15.3	68.0	16.8	27.3	61.8	58.8
400	40.1	33.4	35.3	89.1	33.3	86.1	15.8	68.1	12.8	65.1	15.9	27.3	55.7	52.7
550	47.6	37.2	33.2	87.3	31.2	84.3	13.0	66.2	10.0	63.1	14.9	27.3	50.1	47.1
600	50.0	42.5	32.7	86.1	30.7	83.1	12.3	60.0	9.3	57.0	14.6	27.3	43.6	40.6

ORDERING INFORMATION:

Part NO. 20974xy25
 Description Cat.6A F/FTP installation cable, grey
 x, sheath 1: PVC 2: LSOH
 y, length 2: 500m/reel 3: 1000m/reel

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