

**FEATURES:**

Compliant with category 6A requirements as:

- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1 Class Ea:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2018
- Characterized and tested to 550MHz

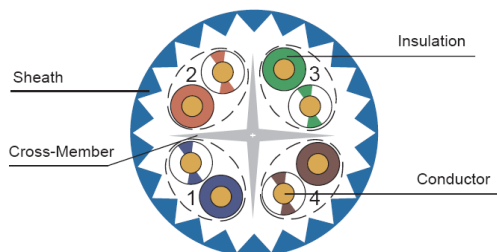


Compliant with safety standard as:

- IEC 60332-1-2:2004, IEC 61034-1 / 61034-2:2013, IEC 60754-2:2011(Edition 2.0)
- CPR Class Eca, Dca, Cca is optional
- ROHS compliant (EU Directive 2011/65/EC)

**CONFIGURATION:**

Conductor	Material	Bare Copper	
	Construction	23 AWG	
Insulation	Material	HDPE	
	Diameter	1.0± 0.1 mm	
Cross-Member	Material	PE	
Sheath	Material	PVC	LSOH
	Diameter	7.5 ± 0.3 mm	7.5 ± 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

**APPLICATIONS:**

- 10GBASE-T Ethernet, 1000BASE-T Gigabit Ethernet, 100BASE-TX Fast Ethernet, 10BASE-T Ethernet, Voice

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

**ELECTRICAL PERFORMANCE:**

Impedance	64kHz	125Ω± 20%
	1~300MHz	100Ω± 15%
	300~550MHZ	100Ω± 25%



TIA



Typical

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1	2.1	1.7	74.3	102.0	72.3	100.0	67.8	99.8	64.8	91.5	20.0	26.5
4	3.8	3.3	65.3	95.0	63.3	94.2	55.7	94.0	52.7	80.7	23.0	36.0
10	5.9	5.3	59.3	93.0	57.3	92.9	47.8	87.8	44.8	72.6	25.0	43.0
16	7.5	6.8	56.2	90.0	54.2	90.5	43.7	79.8	40.7	68.4	25.0	49.0
20	8.4	7.6	54.8	87.0	52.8	87.1	41.7	76.9	38.7	66.4	25.0	52.0
31.25	10.5	9.5	51.9	84.0	49.9	84.5	37.9	73.1	34.9	62.9	23.6	48.0
62.5	15.0	13.7	47.4	82.0	45.4	82.3	31.8	68.3	28.8	56.3	21.5	48.0
100	19.1	17.5	44.3	77.0	42.3	77.9	27.8	63.1	24.8	51.8	20.1	45.0
200	27.6	25.1	39.8	74.0	37.8	74.2	21.7	50.3	18.7	46.9	18.0	43.0
250	31.1	28.1	38.3	72.0	36.3	72.3	19.8	50.7	16.8	44.2	17.3	37.0
300	34.3	30.9	37.1	70.0	35.1	69.3	18.2	49.2	15.2	42.1	16.8	34.0
400	40.1	36.1	35.3	68.0	33.3	68.1	15.7	44.2	12.7	41.3	15.9	34.0
500	45.3	40.5	33.8	66.0	31.8	65.9	13.8	41.3	10.8	39.5	15.2	34.0
550	49.4	44.2	31.6	64.0	31.8	63.8	11.9	40.6	9.4	37.6	14.8	34.0

**ORDERING INFORMATION:**

Part NO. 20914x225  
 Description Cat.6A U/UTP Installation cable, 500m/reel, grey  
 x: jacket material 1: PVC 2: LSOH  
 Packing 500m/reel  
 reel size: 45(O.D) x 29.8(H) cm, weight: N.W. 24.9 kg G.W. 27.3 kg

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