

FEATURES:

Comply with all Category 5e requirements as:

- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1 Class D:2017
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-3-1:2013
- IEC61156-5:2012(Edition 2.0)
- 3P Verified
- ETL Verified

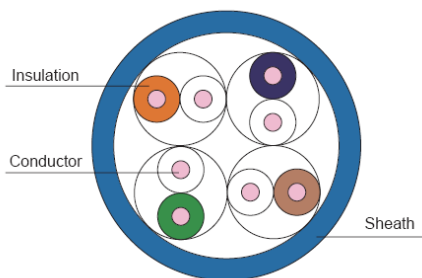


Compliant with safety standards as:

- UL 444
- 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	24 AWG	
Insulation	Material	HDPE	
	Diameter	0.91 ± 0.06 mm	
Sheath	Material	PVC	LSOH
	Diameter	5.2 ± 0.2 mm	5.2 ± 0.2mm
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:

- 1000BASE-T Gigabit Ethernet, 100BASE-Tx Fast Ethernet, 10BASE-T, Voice, ISDN

ELECTRICAL PERFORMANCE:

Impedance	722kHz	102 ± 15%
	1~125MHz	100 ± 15%
Conductor Resistance		Max. 9.38 Ω/100m at 20°C



TIA



Typical

Freq (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4	4.1	3.7	56.3	68.7	53.3	66.0	52.2	65.0	51.7	57.5	48.7	57.0	23.0	40.1
10	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.7	43.8	49.0	40.8	48.2	25.0	37.3
16	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.4	39.7	45.6	36.7	43.8	25.0	36.7
20	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.7	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.9	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.5	27.8	34.7	24.8	33.5	21.5	31.6
100	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.7	23.8	30.4	20.8	29.4	20.1	31.7
125*	-	23.0	-	43.0	-	41.4	-	13.4	-	25.9	-	26.3	-	27.8
200*	-	31.4	-	39.5	-	38.0	-	8.1	-	20.0	-	19.2	-	24.8
250*	-	36.0	-	37.5	-	37.0	-	1.5	-	17.1	-	13.1	-	22.2

*Values for frequencies above industry requirements are for information only

ORDERING INFORMATION:

Part NO. 20514x11y
 Description Category 5e U/UTP installation cable, 305m box packing
 x: sheath 1: PVC 2: LSOH
 y: color 4: blue 5: grey
 Packing 305m/box, box dimension 35*35*21cm,
 Weight: N.W. 8.8±0.5 kg G.W. 9.5±0.5 kg

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