

FEATURES:

Compliant with Cat.6 requirements as :

- ANSI/TIA-568.2-D:2018
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Fluke 90m Permanent Link Test According to ISO/IEC 11801 Class E



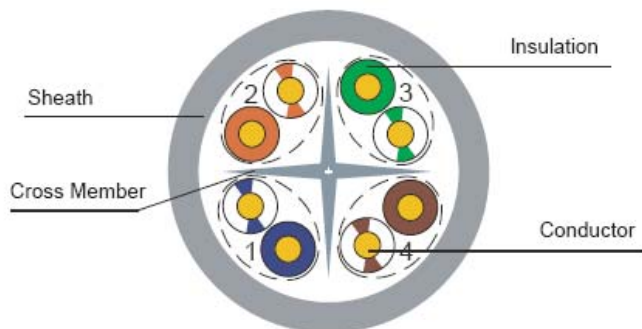
Compliant with safety standard as:

- IEC 60754-2:2011 (Edition 2.0)
- IEC 61034-1 / 61034-2:2013
- IEC 60332-1-2:2004
- RoHS compliant(EU Directive 2011/65/EC)

CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	24 AWG	
Insulation	Material	HDPE	
	Diameter	0.91 ± 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSOH
	Diameter	5.5 ± 0.3 mm	5.5 ± 0.3 mm
Operation Temperature		-20°C~+60°C	
Installation Temperature		0°C~+50°C	
Storage Temperature		-30°C~+60°C	

DRAWING:



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.

APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

ELECTRICAL PERFORMANCE:

Impedance	64kHz	125Ω± 20%
	1~250MHz	100Ω± 15%



TIA



Typical

Freq	IL		NEXT		PS NEXT		ACR		PSACR		ACR-F		PS ACR-F		Return Loss	
	(dB)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)	
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36.0	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20.0	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.8	21.0	8.6	16.0	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	41.3	5.3	15.8	3.3	10.8	19.8	37.0	16.8	31.8	17.3	29.0

ORDERING INFORMATION:

Part No. 20214x115B
 Description Category 6 U/UTP 24AWG Installation cable, grey, 305m box packing
 x: sheath 1: PVC 2: LSOH
 Packing box dimension: 38*38*21cm

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