

FEATURES:

Comply with all category 6 requirements as:

- ISO/IEC 11801-1 Class E:2017
- ANSI/TIA 568.2-D:2018
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- 3P & ETL Verified
- Characterized and tested to 350MHz

Compliant with safety standard as:

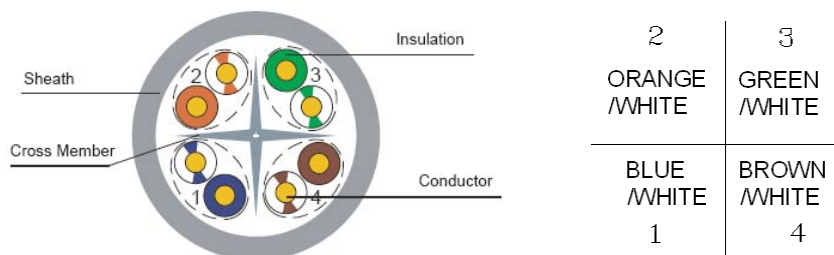
- IEC 60754-2:2011 (Edition 2.0)
- IEC 61034-1 / 61034-2:2013
- IEC 60332-1-2:2004
- RoHS compliant(EU Directive 2011/65/EC)



CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG	
Insulation	Material	HDPE	
	Diameter	1.00 ± 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSOH
	Thickness	0.5mm nominal	
	Diameter	6.2 ± 0.3 mm	6.2 ± 0.3 mm
Operation Temperature		-20°C~+60°C	
Installation Temperature		0°C~+50°C	
Storage Temperature		-30°C~+60°C	

DRAWING:



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%
	1~350MHz	100Ω± 15%

TIA

Typical

Freq	IL (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	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
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
350.0 *	-	34.0	-	45.1	-	39.9	-	8.9	-	4.1	-	35.1	-	29.5	-	27.0

*Values for frequencies above international industry standards are for information.

ORDERING INFORMATION:

Part No. 20614x115
 Description Category 6 U/UTP Installation cable, grey, 305m box packing
 x: sheath 1: PVC 2: LSOH
 Packing 305m/box
 box dimension: 42*42*21cm, weight: N.W.13.5 kg G.W. 14.0 kg

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