

**FEATURES:**

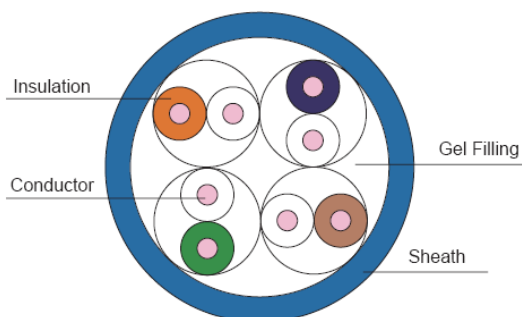
Comply with all Category 5e requirements as:

- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-3-1:2013
- IEC 61156-5:2012(Edition 2.2)
- RoHS compliant (EU Directive 2011/65/EC)



**CONFIGURATION:**

Conductor	Material	Bare Copper
	Construction	24 AWG
Insulation	Material	HDPE
	Diameter	1.00 ± 0.05mm
Sheath	Material	PE / Black
	Thickness	0.55 ± 0.05mm
	Diameter	5.6 ± 0.5mm
GEL		Jelly Filling Compound
Operating Temperature		-40°C to +60°C
Storage / Transport Temperature		-50°C to +70°C
Installation Temperature		-10°C to +50°C



2	3
ORANGE /WHITE	GREEN /WHITE
BLUE /WHITE	BROWN /WHITE
1	4

**APPLICATION:**

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

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

**ELECTRICAL PERFORMANCE:**

Impedance	722kHz	102 ± 15%
	1~125MHz	100 ± 15%

TIA

Typical

Freq (MHZ)	Insertion Loss (dB/100m)		NEXT (dB/100m)		PSNEXT (dB/100m)		ACR (dB/100m)		ACR-F (dB/100m)		PSACR-F (dB/100m)		Return Loss (dB/100m)	
	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	64.9	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	54.5	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	48.3	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	46.5	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	41.6	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	32.2	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	24.2	23.8	30.4	20.8	29.4	20.1	31.7

**ORDERING INFORMATION:**

Part NO. 725143122  
 Description Category 5e U/UTP outdoor installation cable, gel filled, PE, black  
 Packing 305m/reel, reel size: 30\*30\*25cm

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