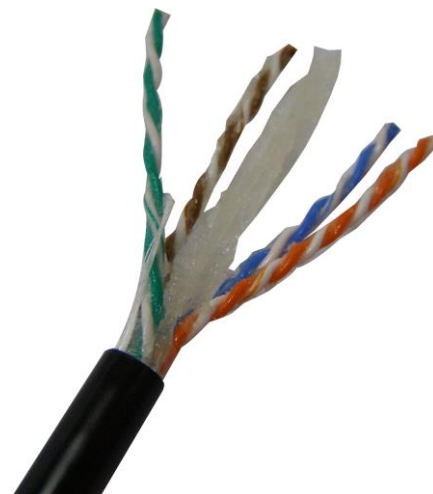


FEATURES:

compliant with category 6 requirements and standards:

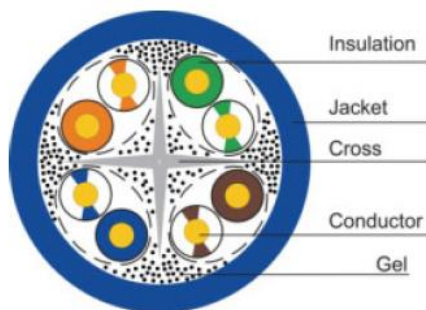
- ANSI/TIA-568-C.2
- ISO/IEC 2nd Edition 11801 CLASS E
- CENELEC EN 50173-1
- CENELEC EN 50288-6-1, IEC 61156-5 for horizontal cable
- RoHS compliant



CONFIGURATION:

Conductor	Material	Bare Copper / 23 AWG
Insulation	Material	PE
	Diameter	Nominal: 1.08 mm
" + " cross	Material	PE
Sheath	Material	LDPE / black
	Thickness	Nominal: 0.50mm
	Diameter	Nominal: 6.40mm
GEL	Jelly Filling Compound	
Operation Temperature		-40°C to +60°C

orange 2	green 3
white/orange	white/green
blue 1	brown 4
white/blue	white/brown



APPLICATIONS:

1000BASE-T Gigabit Ethernet, 100BASE-Tx Fast Ethernet, 10BASE-T, 100 VG – Any LAN, Voice

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

ELECTRICAL PERFORMANCE:

Impedance	1~250MHz	100Ω ± 15%
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TIA Cat.6 Permanent Link 90m

Typical

Freq (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
1	1.9	1.7	65.0	67.1	62.0	64.1	64.2	76.4	61.2	74.5	19.1	26.1
4	3.5	3.2	64.1	68.8	61.8	65.8	52.1	64.5	49.1	62.4	21.0	32.5
10	5.5	5.2	57.8	60.8	55.5	57.8	44.2	56.4	41.2	54.5	21.0	34.1
16	7.0	6.7	54.6	56.6	52.2	53.6	40.1	52.3	37.1	40.4	20.0	30.6
20	7.9	7.6	53.1	55.1	50.7	52.1	38.2	50.4	35.2	48.5	19.5	31.0
31.25	10.0	9.7	50.0	53.4	47.5	50.4	34.3	46.4	31.3	44.5	18.5	31.5
62.5	14.4	14.2	45.1	48.0	42.7	45.0	28.3	40.5	25.3	38.5	16.0	27.4
100	18.6	18.3	41.8	44.4	39.3	41.4	24.2	36.3	21.2	34.0	14.0	26.0
200	27.4	27.1	36.9	39.0	34.3	36.0	18.2	30.5	15.2	28.1	11.0	23.8
250	31.1	30.8	35.3	37.2	32.7	34.2	16.2	28.5	13.2	26.1	10.0	22.5

ORDERING INFORMATION:

Part. No. 726143122
 Description Premium Line category 6 U/UTP Installation cable, outdoor,
 gel filled, -40°C, black
 Packing 305m / reel, reel size 35*35*29.8cm

Premium-Line Systems GmbH, Rosenheimer Str.89, D-83064 Raubling, Germany

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