

FEATURES:

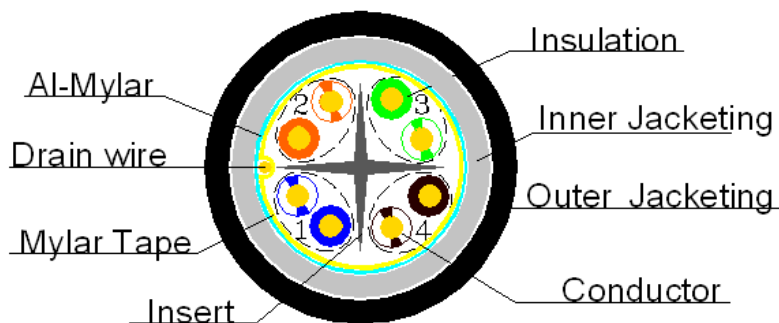
comply with all category 6 requirements as per ANSI/TIA, ISO/IEC and CENELEC EN Standards:

- ANSI/TIA 568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- IEC 61156-5 for horizontal cable
- RoHS compliant

ONFIGURATION:

Conductor	Material	Bare Copper
	Construction	23 AWG
Insulation	Material	PE
	Diameter	Nominal: 1.198 mm
Inner-Shield	Aluminum-Mylar	Al-Mylar tape
" + " cross	Material	PE
Drain Wire	Material/Size	Tinned Copper
1 st Layer	Material	PVC
	Diameter	Nominal: 7.2 mm
2 nd Layer	Material	PE / BLACK
	Diameter	Nominal: 8.0 mm

DRAWING:



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

APPLICATIONS:

- 1000BASE-TX, 1000BASE-T and lower protocol
- campus backbone for CCTV System
- outside plant applications

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

ELECTRICAL PERFORMANCE:

Spark Test		1050±250 V ac	
Dielectric Strength		1500 V dc / 2 seconds	
Insulation Resistance Test		Min. 150 MΩ/Km	
Conductor Resistance		Max.9.38 Ω/100m at 20°C	
Resistance Unbalance		Max. 2%	
Capacitance Unbalance		Max. 160 pF/100m	
Mutual Capacitance		Max. 5600 pF/100m	
Impedance	4~100MHz	100Ω ± 15%	
	100~250MHz	100Ω ± 22%	
Key Electrical Attributes	Frequency (MHz)	Attenuation (dB/100m at 20°C), Max.	NEXT (dB), Min.
	1MHz	2.0	74.3*
	4MHz	3.8*	65.3*
	10MHz	6.0*	59.3*
	16MHz	7.6*	56.2*
	20MHz	8.5*	54.8*
	31.25MHz	10.7*	51.9*
	62.5MHz	15.4*	47.4*
	100MHz	19.8*	44.3*
	200MHz	29.0*	39.8*
	250MHz	32.8*	38.3*

The asterisked(*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: $NEXT(f \text{ MHz}) \geq NEXT(44.3) - 15 \text{ LOG}(f \text{ MHz}/100)$

ORDERING INFORMATION:

Part No. 726248122
Description Premium Line category 6 F/UTP Outdoor Installation cable, Dual Layer, PE, Black
Packing 305m / reel, reel size 40*40*31cm

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