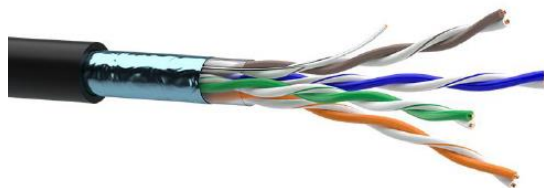


FEATURES:

Compliant with all category 5e requirements as:

- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1 Class D:2017
- IEC61156-5:2012 (Edition 2.0)
- EN 50173-1:2018 IEC61156-5:2012(Edition 2.0)
- IEEE 802.3af, IEEE 802.3at for PoE applications
- RoHS compliant(EU Directive 2011/65/EC)



CHARACTERISTICS:

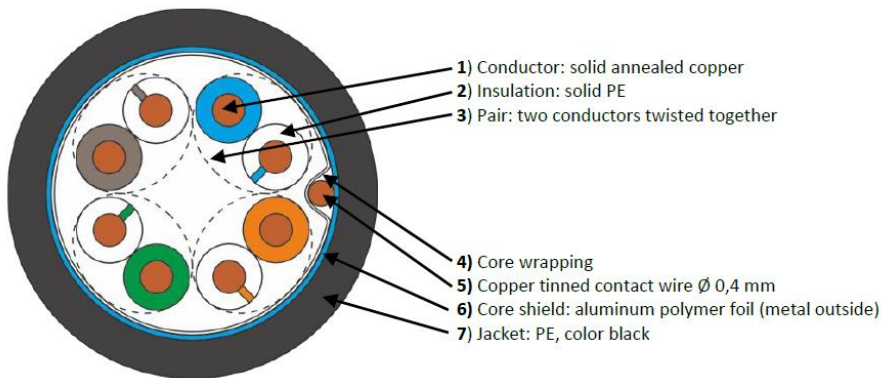
Configuration & Physical Character

Conductor	Material/ Size	Bare Copper/ 24 AWG
Insulation	Material	PE
	Diameter	1.03±0.10 mm
Shield	Material	aluminum polymer foil (metal outside)
Drain wire	Material / Size	Tinned copper / 0.4mm
Sheath	Material	UV-stabilized PE/ Black
	Diameter	5.98.0±0.4 mm
Operation Temperature		-50°C to +60°C

Installation tension: 25 lbf (110 N) maximum

Bend radius: ≥6D, without load; ≥8D with load

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

ELECTRICAL PERFORMANCE:

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
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	1~100MHz	100Ω ± 15%		
Key Electrical Attributes	Frequency (MHz)	Max. Attenuation (dB/100 meters).	NEXT (dB), Min.	PSNEXT (dB), Min.
	1MHz	2.0*	65.3*	62.3*
	4MHz	4.1*	56.3*	53.3*
	10MHz	6.5*	50.3*	47.3*
	16MHz	8.2*	47.2*	44.2*
	20MHz	9.3*	45.8*	42.8*
	31.25MHz	10.7*	42.9*	39.9*
	62.5MHz	17.0*	38.4*	35.4*
	100MHz	22.0*	35.3*	32.3*
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 MHz)≥ NEXT(0.772)-15LOG10(f MHz/0.772)dB				

ORDERING INFORMATION:

Part NO. 725243112-B
 Description Premium Line Category 5e F/UTP outdoor installation cable, PE, black
 Packing 305m in box

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

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