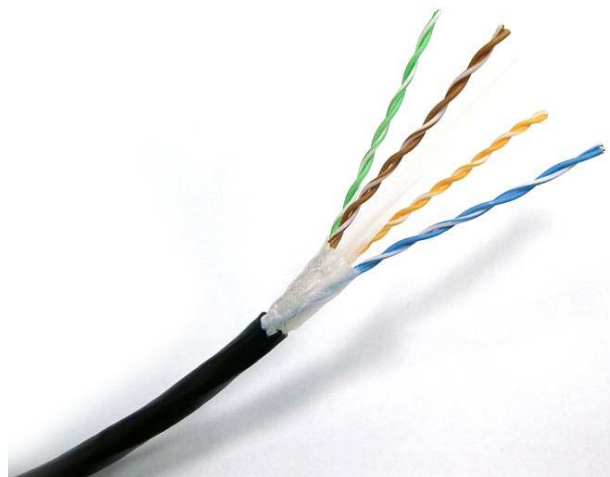


FEATURES:

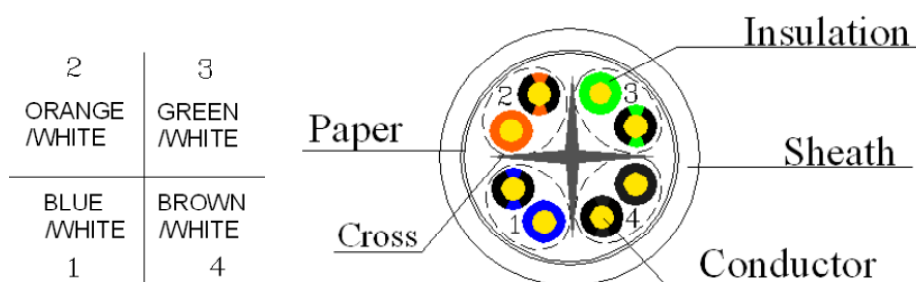
Compliant with category 6 requirements and standards:

- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1 Class E:2017
- IEC61156-5:2012 (Edition 2.0)
- EN 50173-1:2018
- EN 50288-6-1:2013
- Flame retardancy is verified according to UL1581
- RoHS compliant (EU Directive 2011/65/EC)



CONFIGURATION:

Conductor	Material	Bare Copper / 23 AWG
Insulation	Material	HDPE
	Diameter	1.00 ± 0.10 mm
" + " cross	Material	PE
Wrapping	Material	Cotton paper
Sheath	Material	LDPE / black
	Diameter	6.5 ± 0.3 mm



APPLICATIONS:

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

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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%		
	100~250MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency	Max. Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min.	(dB), Min.
	1MHz	2.0*	74.3*	72.3*
	4MHz	3.8*	65.3*	63.3*
	10MHz	6.0*	59.3*	57.3*
	16MHz	7.6*	56.2*	54.2*
	20MHz	8.5*	54.8*	52.8*
	31.25MHz	10.7*	51.9*	49.9*
	62.5MHz	15.4*	47.4*	45.4*
	100MHz	19.8*	44.3*	42.3*
	200MHz	29.0*	39.8*	37.8*
	250MHz	32.8*	38.3*	36.3*
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: $NEXT(f\text{ MHz}) \geq NEXT(0.772) - 15 \log_{10}(f\text{ MHz}/0.772) \text{ dB}$				

ORDERING INFORMATION:

Part. No. 206146222

Description Category 6 U/UTP Outdoor Installation cable, PE, 500m/reel, black

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

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