

FEATURES:

Compliant with category 6 requirements as:

- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1 Class E:2017
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-5-1:2013
- IEC61156-5:2012(Edition 2.0)

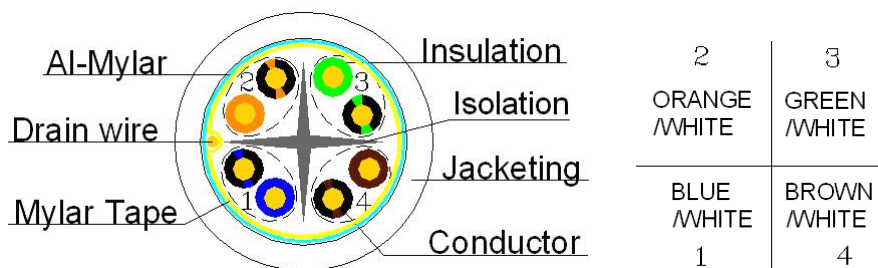
Compliant with safety standard as:

- IEC 60332-1-2:2004
- IEC 61034-1 / 61034-2:2013
- IEC 60754-2:2011 (Edition 2.0)
- RoHS compliant(EU Directive 2011/65/EC)



CONFIGURATION:

Conductor	Material	Bare Copper / 23AWG
Insulation	Material	HDPE
	Diameter	1.10±0.10 mm
Inner-Shield	Aluminum-Mylar	Al-Mylar tape insulation on outside surface
" + " cross	Material	PE
Drain Wire	Material/Size	Stranded Tinned Copper / 26AWG
Sheath	Material	PVC or LS0H
	Diameter	7.4 ± 0.4 mm
Operation Temperature		-20°C~+60°C
Installation Temperature		0°C~+50°C
Storage Temperature		-30°C~+60°C



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

APPLICATIONS:

- 1000BASE-TX, 1000BASE-T, 100BASE-TX Fast Ethernet, 10BASE-T Ethernet, 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%		
	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. 20624xy25
 Description Category 6 F/UTP Installation cable, grey
 x: jacket material 1: PVC 2: LSOH
 y: length 1: 305m 2: 500m 3: 1000m

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