

**FEATURES:**

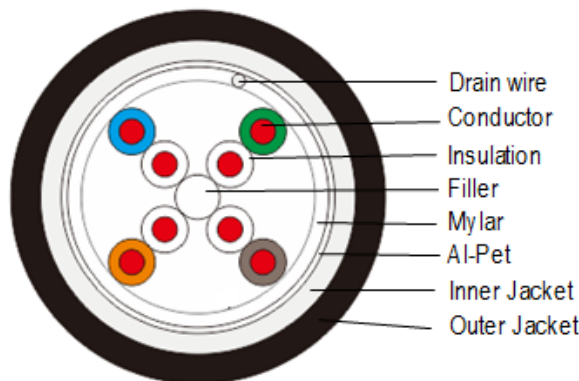
Compliant with all Category 5e requirements as:

- ANSI/TIA 568.2-D:2018
- ISO/IEC 11801-1 Class D:2017
- IEC61156-5:2012 (Edition 2.0)
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-2-1:2013
- RoHS compliant (EU Directive 2011/65/EC)

**CONFIGURATION:**

Conductor	Material	Bare Copper
	Construction	24 AWG
Insulation	Material	HDPE
	Diameter	0.95 ± 0.10 mm
Filler	Material	Cotton Cord
Inner-Shield	Aluminum-Mylar	Al-Mylar tape
Drain Wire	Material/Size	Tinned Copper / 26AWG
1st Layer	Material	PVC
	Diameter	6.0 ± 0.2mm
2nd Layer	Material	PE / Black
	Diameter	7.0 ± 0.4 mm

**DRAWING:**



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

**APPLICATIONS:**

- 1000BASE-T and lower protocol
- Campus backbone for CCTV System
- Outside plant applications

**ELECTRICAL PERFORMANCE:**

<b>Dielectric Strength of Insulation</b>		1200 V dc or 850 V ac / 2 seconds		
<b>Insulation Resistance Test</b>		Min. 5000 MΩ/m		
<b>Conductor Resistance</b>		Max.9.38 Ω/100m at 20°C		
<b>Resistance Unbalance</b>		Max. 2%		
<b>Capacitance Unbalance</b>		Max. 160 pF/100m		
<b>Mutual Capacitance</b>		Max. 5600 pF/100m		
<b>Impedance</b>	1~100MHz	100Ω ± 15%		
<b>Key Electrical Attributes</b>	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. 725248x22  
 Description Cat.5e F/UTP Outdoor Installation Cable, PVC+PE Double Jacket, Black  
 x, length 1: 305m/reel 2: 500m/reel  
 Packing 305m/reel: 38(O.D) x 25(H) cm, 500m/reel: 57(O.D) x 20(H) cm

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

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