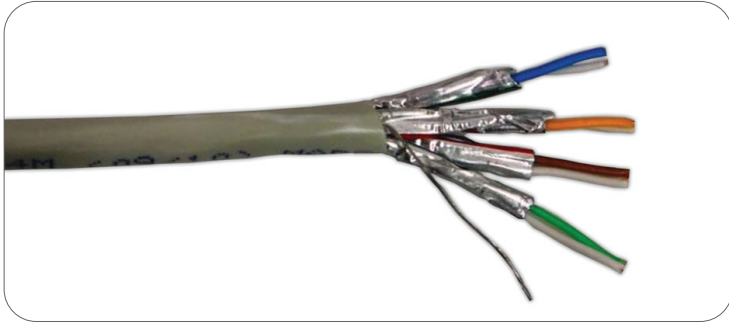


Cat.6A 4 Pair U/FTP Solid Cable PVC



DINTEK PowerMAX+™ CAT.6A U/FTP Cable is specifically designed to support high speed network applications such as 10-Gigabit Ethernet .

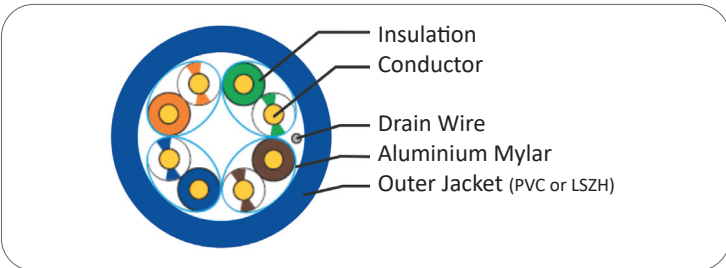
The cable is constructed of four individually foil wrapped pairs. DINTEK PowerMAX+ CAT.6A U/FTP cable minimizes alien and near end crosstalk, provides excellent signal isolation and provides superior electromagnetic interference protection.

Standards

- All Proposed Category 6A Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards.
- ANSI/TIA-568-C.2 Cat.6A
- ISO/IEC 2nd Edition 11801 Class EA
- CENELEC EN 50173-1, CENELEC EN 50288-10-1 for horizontal cable
- IEC 2nd Edition 61156-5 for horizontal cable
- Flame Retardancy is verified according to IEC 60332-1-2
- Our products always comply with RoHS and REACH Directives.

Applications

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- Voice
- PoE ++ Level 3 & 4



Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1105-06006	LAN twisted pair cable.Cat.6A.4P U/FTP.23AWG Solid	PVC gray	305M/R Wooden drum

Note Specifications are subject to change without any notice or obligation on the part of the manufacturer.

Physical Characteristics

Conductor	Material / Size	Bare Copper / 23AWG / 0.56mm	
Insulation	Material	PE	
	Thickness	Nominal: 0.42 mm	
	Diameter	Nominal: 1.42 mm	
	Colors	Blue/White Orange/White Green/White Brown/White	
	Unaged Elongation	Min. 100%	
	Unaged Tensile Strength	Min. 0.816 Kgf/mm ²	
Screen	Aluminum-Mylar	Individual foil and without overall braid screened.	
Drain Wire	Material	Tinned copper	
Jacket	Material	Flame Retardant PVC	
	Thickness	Nominal: 0.5 mm	
	Diameter	Nominal: 7.0 mm	
	Color	Assorted upon request	
	Unaged Elongation	Min. 100%	
	Unaged Tensile Strength	Min. 1.407 Kgf/mm ²	
	Aging at 100°C for 168Hrs		Min. elongation retention:50%
			Min. tensile strength retention:85%

Electrical Performance

Dielectric Strength of Insulation	2500 V dc / 2 seconds			
Insulation Resistance Test	Min. 5000 MΩ·Km			
Conductor Resistance	Max. 7.32 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%		
	100~500MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency	Max Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min	(dB), Min
	1 MHz	2.1*	74.3*	72.3*
	10 MHz	5.9*	59.3*	57.3*
	100 MHz	19.1*	44.3*	42.3*
	200 MHz	27.6*	39.8*	37.8*
	250 MHz	31.1*	38.3*	36.3*
	300 MHz	34.3*	37.1*	35.1*
	400 MHz	40.1*	35.3*	33.3*
	500 MHz	45.3*	33.8*	31.8*
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: $NEXT \geq 31 - 50 \log_{10}(f \text{ MHz}/330) \text{ dB}$				