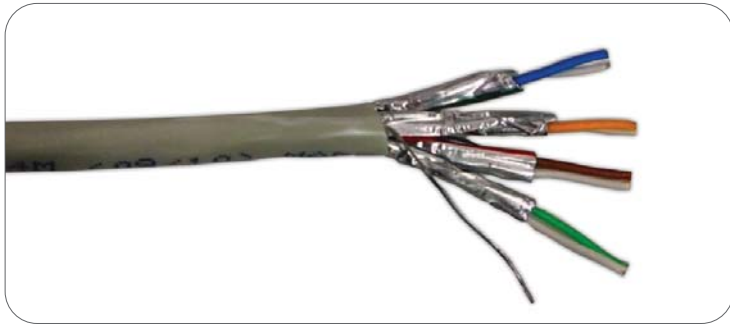


## Cat.6A 4 Pair U/FTP Solid Cable PVC



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

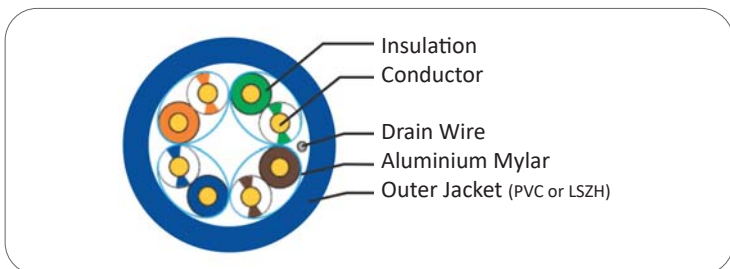
The cable is constructed of four individually foil wrapped pairs. DINTEK PowerMAX+ CAT.6A U/FTP cable minimizes alien and near end crosstalk, provides excellent signal isolation and provides superior electromagnetic interference protection.

### Standards

- All Proposed Category 6A Requirements as per ANSI/TIA & ISO/IEC
- ANSI/TIA-568.2-D Cat.6A
- ISO/IEC 2ND Edition 11801 Class EA
- CENELEC EN 50173-1, CENELEC EN 50288-10-1 for horizontal cable
- IEC 2nd Edition IEC 61156-5 for horizontal cable

### Applications

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice



### Cable Structure

- Twisted pair color code:
  - Pair 1> blue, white/blue ring.
  - Pair 2> orange, white/orange ring
  - Pair 3> green, white/green ring
  - Pair 4> brown, white/brown ring
- Conductor: 23AWG solid Bare copper 0.583mm±0.02mm
- Insulation material: Foam-Skin PE
- Diameter of dielectric core: 1.42±0.05mm
- Number of twist pairs: 4 pairs
- Individual Shielding: A layer of aluminum-foil laminated tape will be wrapped over the twinning, the aluminum side face-out.
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Overall Shielding: aluminum-foil laminated tape
- Material of jacket: Comes in either PVC or LSZH
- Overall Diameter: Ave 7.3±0.3mm

### Physical Characteristics

- Jacket elongation: min 100%( PVC) 125% (LSZH)
- Jacket tensile strength: min 1.407Kgf/mm2(PVC) 0.917Kg/mm2(LSZH)
- After aging jacket tensile strength: Min tensile strength: 75%(PVC) 70%(LSZH)
- After aging jacket elongation: Min elongation retention: 50%(PVC) 75%(LSZH)

### Electrical Characteristics

- Impedance: 125 Ohm 20%(64KHz). 100 Ohm 15%(1~500MHz)
- D.C.R (Max.) : 9.38Ohm /100m at 20°C
- D.C.R. Unbalance (Max.) : 2% MAX.
- Mutual Capacitance: nom. 5600pf/100m
- Capacitance, unbalance (Max.): 160 pF/100m DC
- Insulation Resistance (Min.): 5000 Mohm/Km
- Dielectric Strength: 1500 Vdc / 2 second

Frequency (MHz)	Attenuation dB/100m	NEXT dB	PSNEXT dB
1MHz	2.1*	74.3*	72.3*
10MHz	5.9*	59.3*	57.3*
100MHz	19.1*	44.3*	42.3*
200MHz	27.6*	39.8*	37.8*
250MHz	31.1*	38.3*	36.3*
300MHz	34.3*	37.1*	35.1*
400MHz	40.1*	35.3*	33.3*
500MHz	45.3*	33.8*	31.8*

### Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1105-06003	LAN twisted pair cable.Cat.6A.4P U/FTP.23AWG Solid	PVC gray	305M/R Wooden drum
1105-06004	LAN twisted pair cable.Cat.6A.4P U/FTP.23AWG Solid	LSZH gray	305M/R Wodden drum

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