

## PowerMAX+™ CAT.6A S/FTP PATCH LEADS

DINTEK PowerMAX+™ S/FTP Patch Cords complete the DINTEK Category 6A shielded solution. They are used at the work area or in the Data Centre/communications room.

The patch cords are designed to reduce insertion loss and alien crosstalk which are common at the high frequencies associated with 10 Gigabit Ethernet. The copper conductors held within the cable pairs are stranded for superior flexibility and are designed for optimum signal strength.

DINTEK recommends the entire range of PowerMAX+ Shielded products be used in a end-to-end system to maximize cabling performance.

### TECHNICAL DATA

#### Electrical

Impedance: 100 Ohm±15%

Capacitance unbalance pair to ground:

Max. 330pf/100m Max

DC resistance of conductor:

Max. 14.8 Ohms/100m Max at 20°C

DC resistance unbalance of conductor: 3% Max

Insulation resistance: min. 1500MΩ/100M Min

#### Physical

- 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
- Individual Shielding: A layer of aluminum-foil laminated tape is wrapped over the twinning, with the aluminum side face-out.
- Overall Shielding: Tinned copper wire Braiding
- Conductor: 26AWG Stranded anneal copper wire
- Insulation material: PE
- Diameter of dielectric core: 1.03±0.03mm
- Number of twist pairs: 4 pairs
- Material of jacket: PVC/LSOH
- Jacket outside diameter: 6.2±0.2mm
- Shielded RJ45 plug
  - Contact: copper alloy 50u" gold plated over nickel
  - Strength: 20lbs. min
  - Durability: 750 cycles min.
  - Insulation resistance: 500 MΩ min.
- Assembly boots prevent cables from kink.
- Wiring schemes: T568B wiring.
- Color: Light Gray
- Flame Rating: CM

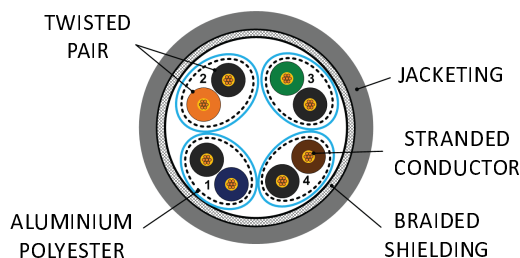


### STANDARDS

- UL, Listed
- Meet Cat.6A channel performance requirements in TIA/EIA-568-B.2-10

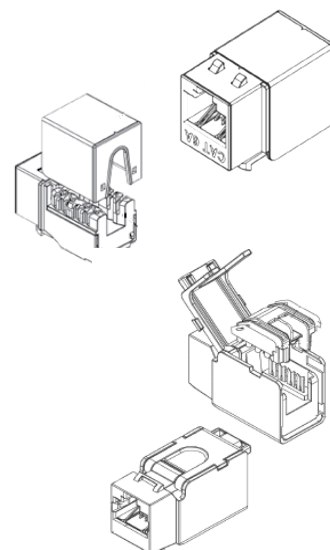
### KEY FEATURES

- 26AWG stranded wire provides maximum flexibility.
- Brilliant colors make management a snap
- Fully tested to meet TIA/EIA-568-B.2-10 category 6A channel requirement.
- The various colors are available to meet TIA/EIA-606 standards.
- The mechanical characteristics and transmission performance meet 16Mbps Token Ring, 10Base-T, 100Base-T, 155Mbps, 622Mbps ATM, Gigabit-Ethernet, 1.2Gbps ATM and 10G Ethernet requirements.



### DINTEK Category 6A Product Benefits

- Meets IEEE 802.3 ab specifications for Category 6A cabling systems and components
- They have been Independently confirmed for system performance
- DINTEK CAT.6A products can be warranted for 25 years
- CAT.6A products are Interoperable with DINTEK and other standards compliant products
- Independently been confirmed for 10 Gigabit Ethernet applications
- Having a single vendor solution ensures best system performance
- Our products meet or exceed performance requirements for existing and proposed high-speed network applications including:
  - Voice; T1; ISDN
  - 10BASE-T (IEEE 802.3)
  - 16Mbps Token Ring (IEEE802.5)
  - 100VG-AnyLAN (IEEE802.12)
  - 100BASE-T Ethernet (IEEE802.3)
  - 155/622Mbps 1.2/2.4 Gbps ATM
  - Gigabit Ethernet
  - 10 Gigabit Ethernet
  - 550MHz Broadband Video



### ORDERING INFORMATION

PART No.	DESCRIPTION
1201-06005	CAT.6A 4 pair S/FTP stranded 1M patch cord. light Gray
1201-06006	CAT.6A 4 pair S/FTP stranded 2M patch cord. light Gray
1201-06007	CAT.6A 4 pair S/FTP stranded 3M patch cord. light Gray
1201-06008	CAT.6A 4 pair S/FTP stranded 5M patch cord. light Gray