

## Nexpatch Interconnect Copper Cord



Norden's Nexpatch Copper Jumpers are designed for Nexpatch Inter-connect applications. It comprises 8 wires, Category 6A S/FTP flexible patch cable, and 2 control wires, which are terminated with two fully shielded RJ-45 plugs at each end with two external ID contacts. Nexpatch Copper Jumpers exceed Cat 6A specifications. The non-molded flexible boot helps for enhanced life and reliability. They are backward compatible with Category 5e and 6 – UTP and STP.

High end CAT 6A S/FTP 26 AWG cable cord supports two additional stranded wires to produce an eight-wire cord. The cord is terminated with patented RJ-45 plugs having two conductive contacts.

CAT 6A copper patch cords support Nexpatch interconnect topology and can be used as stand-alone cord as per work area cord. Interconnect topology includes a smart ID device at the switch side. A dummy latched cover is fitted along with the plugs of interconnect patch cord that enables easy plug insertion and removal from the frame or switch.

### COMPLIANCE

ANSI/TIA/EIA-568-B.2-10  
 ISO/IEC 11801 2.1  
 CENELEC EN 50173 (200x) standards for Category 6A/CLASS EA  
 Flammability Test - IEC 332-1 / UL 1581 VW-1

### SPECIFICATIONS & ACCESSORIES

BASIC WIRES	
Conductor	26 AWG Stranded bare copper Eight wires 7 x 0.16 mm
Insulation	Polyolefin Foam skin 0.98 ± 0.02 mm OD
TWO CONTROL WIRES	
Conductor	26 AWG Stranded bare copper, 7 x 0.16 mm
Insulation	Solid polyolefin, 0.78 ± 0.02mm outer diameter colored red.
Pair Construction	Four pairs, Each pair is wrapped in polyester-aluminum foil (metal face outward ), providing 100% coverage.
Pair Arrangement	Four pairs cabled together around the control wire.
Pair Color Codes (2 wires/pair)	Blue/white, orange/white, green/white, brown/white.
Overall Shield	Tinned-copper braid (providing 65% minimum coverage), laid in close contact with a 26 AWG stranded, tin-plated, copper drain wire.



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Outer Sheath	White soft LSZH compound, with black printing
Overall Diameter	6.0±0.2 mm
Operating Temperature	-5°C to 50°C (23° to 122°F)
Storage Temperature	-30°C to 70°C (22° to 158°F)
DC Resistance	Max. 145ohm/km at 20°C
Mutual Capacitance	43pF/m nominal at 1 KHz
Resistance Unbalance	2% max. at 20°C
Capacitance Unbalance	1500 pF/km max. at 1 KHz (wire to ground)
Impedance	100±15 ohm at 1 to 250 MHz
Transfer Impedance (Zt) (Shielding Effectiveness)	5m ohm/m max. at 1-30 MHz
Voltage Rating	30 V RMS
Dielectric Strength	700 VAC/one minute min (wire to wire)
Velocity of Propagation	77-80% nominal
Propagation Delay	5.0 nS/m max @ 500 MHz
Propagation Delay Skew	25 nS/100 m max @ 1-500 Mhz
Weight	43kg/km, nominal

### STP MODULAR PLUGS

Plating	Gold 50 micro inch (1.27 micrometer)
Plug Housing	PC Resin UL-94V0
Contacts	High-grade copper alloy
Insulation Resistance	500 Megaohms
Current/Voltage Rating	1.5 Amps, 30 VAC / 56 VDC
Dielectric Withstanding	1000 volts RMS, 1 min. (60Hz)

### ORDERING INFORMATION

Part Number	Description
NXC1122502X	Cat 6A S/FTP Nexpatch I/C patch cord LSZH 2m
NXC1122503X	Cat 6A S/FTP Nexpatch I/C patch cord LSZH 3m
NXC1122505X	Cat 6A S/FTP Nexpatch I/C patch cord LSZH 5m
NXC1122510X	Cat 6A S/FTP Nexpatch I/C patch cord LSZH 10m