

M12X CODED CAT 6 S/FTP PATCH CORD

Norden Cat 6 S/FTP patch cords with M12 X coded connectors are manufactured using high quality shielded four pair Category 6 stranded cable. This patch cord when used with high performance Norden Category 6 connectivity, provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 MHz. Patch cord cable has PUR jacket material for industrial applications.



APPLICATION

Sensor, actuator, encoder, servo motors
 Factory automation and process control
 Packaging, labelling and logistic devices
 Industrial instrumentation
 Commercial electronics PCBA
 Industrial safety light curtain, light grid, switches
 Power supply
 Fieldbus: DeviceNet, CANopen, Profibus, Ethernet, NMEA 2000
 LED display panel & outdoor LED lighting

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Annealed Copper
Conductor Size	26 AWG
Wire Insulation	PE
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Individual Pair Shield	Aluminium Mylar foil
Overall Shield	Tinned Copper, Braid
Drain Wire	No
Outer Jacket and Boots	PUR (Polyurethane)
Jacket and Boot Colour	Per Requirement
Standard Surface Marking	Includes Norden P/N, cable description
Cable O.D.	6.4 ± 0.5mm
Bend Radius	> 23 mm Without load
Storage Temperature	-20°C to +80°C
Temperature Operating Range	-20°C to +75°C

ELECTRICAL DATA

Impedance	100Ω ±15%
Dielectric Strength of Insulation	2500Vdc/2seconds
Insulation Resistance	500 MΩ/Km
Conductor Resistance	14.0Ω/100m@20°C
Resistance Unbalance	2 % max.
Capacitance Unbalance	160pF/100m
Mutual Capacitance	5600pF/100m

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MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	96 N min.
Pulling Force	10 N max.
Durability	1000 Mating Cycles
Propagation Delay 1-250MHz	< 25 ns/100m
IP Rating	IP 67

ORDERING INFORMATION

Part Number	Description	Length
RJ 45 connector at one end and M12 X-coded connector at other end		
127-V4510X	M12 X 8 Pin Male to RJ45 Plug CAT 6 S/FTP Patch Cord PUR Jacket	10m
127-V4516X	M12 X 8 Pin Male to RJ45 Plug CAT 6 S/FTP Patch Cord PUR Jacket	16m
127-V4522X	M12 X 8 Pin Male to RJ45 Plug CAT 6 S/FTP Patch Cord PUR Jacket	22m
127-V4530X	M12 X 8 Pin Male to RJ45 Plug CAT 6 S/FTP Patch Cord PUR Jacket	30m
M12 X-coded connector at both the end		
127-W4510X	M12 X 8 Pin Male CAT 6 S/FTP Patch Cord PUR Jacket	10m
127-W4516X	M12 X 8 Pin Male CAT 6 S/FTP Patch Cord PUR Jacket	16m
127-W4522X	M12 X 8 Pin Male CAT 6 S/FTP Patch Cord PUR Jacket	22m
127-W4530X	M12 X 8 Pin Male CAT 6 S/FTP Patch Cord PUR Jacket	30m