molex

M12 SF/UTP D Code Category 5e Assembly ❯

Molex M12 D code assemblies are designed to withstand harsh-industrial and weather environments with superior quality that assures very reliable connections for control elements in automated equipment. These high-quality connectors allow fast and simple replacement of sensors, encoders, switches and other industry network input and output devices in industrial machinery.

The M12 assembly offers a sealed connection with superior EMI/RFI shielding in high-vibration enviroment.

FEATURES & ADVANTAGES

SF/UTP Cable with excellent EMC performance

Sealed connection to support harsh industrial environments

Prevents the coupler from loosening even under vibration

Compatible with Industry standard IEC 61076-2-101 interface

Category 5e performance up to 100MHz bandwidth

Male and female

D code with 4 poles to support industrial network

www.molexces.com/products/copper/cat6a/

molex

M12 SF/UTP D Code Category 5e Assembly ❯

SPECIFICATIONS

Mechanical

Conductor: 7*0.20 mm stranded bare copper wire, 24AWG
Insulation: HDPE
OD: 1.10 ± 0.05 mm
Color: Pair 1: Orange, White/Orange
Pair 2: Green, White/Green
Filler: Cotton rope
Overall screen: AL/Mylar tape
Tinned copper braidingcoverage: ≥ 85 %
Out Sheath: PUR

Sheath Oil resistance:
IRM 902, 100°C ×96h (UL 758)
Flame Rating: IEC 60332-1-2
Breaking Strength: 400 N/mm
Bend Radius (Installed): Min. 8 times outer cable dia.
Pulling Strength: Min 50 N
Voltage Rating: 250V
Out Sheath Color: Blue RAL5021
Thickness: approx 0.75 mm
OD: 6.40 ± 0.30 mm

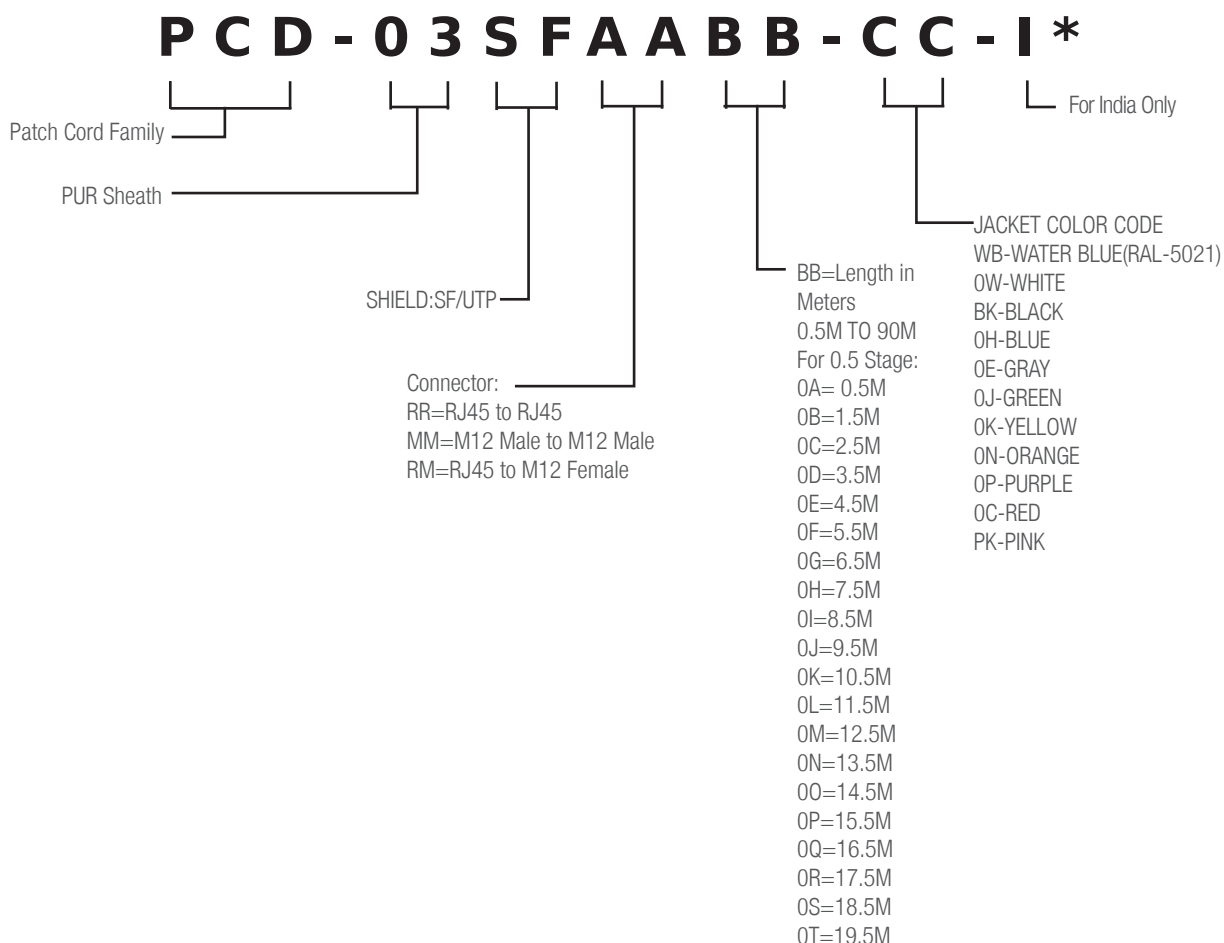### Environmental

Work Temperature: -20°C to +80°C
M12: IP65
RJ45: IP20

Commercial Standards

IEC 60332-1-2, IEC61076-2-101(M12), FCC 47 Part 68(RJ45), ISO/IEC 60603-7-3(RJ45) TIA-1005-A, ISO 11801 AMD1 EA

ORDERING INFORMATION

P C D - 0 3 S F A A B B - C C - I *

Patch Cord Family

PUR Sheath

SHIELD:SF/UTP

Connector:
RR=RJ45 to RJ45
MM=M12 Male to M12 Male
RM=RJ45 to M12 Female

BB=Length in Meters
0.5M TO 90M
For 0.5 Stage:
0A= 0.5M
0B=1.5M
0C=2.5M
0D=3.5M
0E=4.5M
0F=5.5M
0G=6.5M
0H=7.5M
0I=8.5M
0J=9.5M
0K=10.5M
0L=11.5M
0M=12.5M
0N=13.5M
0O=14.5M
0P=15.5M
0Q=16.5M
0R=17.5M
0S=18.5M
0T=19.5M

For India Only

JACKET COLOR CODE
WB-WATER BLUE(RAL-5021)
0W-WHITE
BK-BLACK
0H-BLUE
0E-GRAY
0J-GREEN
0K-YELLOW
0N-ORANGE
0P-PURPLE
0C-RED
PK-PINK

www.molexces.com/products/copper/cat6a/