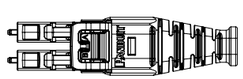
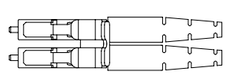
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## FIBER OPTIC CONNECTOR TYPES

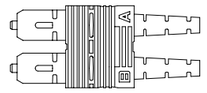
(POSITIONS 9 AND 11 OF PART NUMBER)



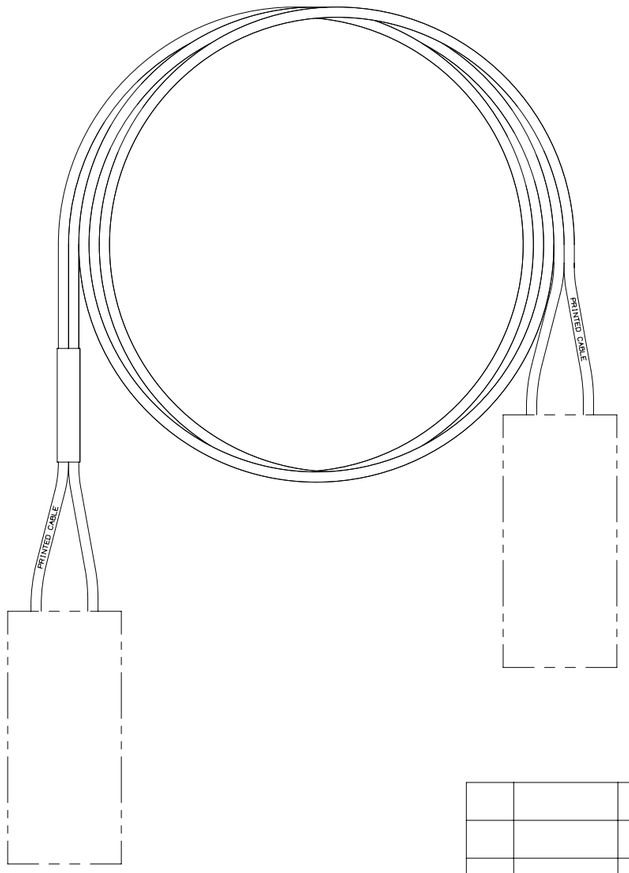
PUSH PULL DUPLEX LC
(TYPE Q)



DUPLEX LC
(TYPE L)




DUPLEX SC
(TYPE S)




NOTES:
1. CABLE ASSEMBLY (WITH CONNECTORS):
   A. SEE SHEET 2 FOR PART NUMBER MATRIX.
   B. CANNOT BE LESS THAN THE LENGTH SPECIFIED IN THE PART NUMBER.
   C. THE MAXIMUM CABLE LENGTH IS NOT TO EXCEED 10cm (4") OVER SPECIFIED LENGTH FOR LESS THAN 10 METER; AND +1%/-0% GREATER THAN 10 METERS.
   D. TIP TO TIP LENGTH IS MEASURED WITHOUT DUST CAPS INSTALLED.
   E. PATCHCORD ROUTING CONFIGURATION IS "A" TO "B".
   F. THIS DRAWING SHALL BE APPLICABLE TO ANY LENGTH PATCHCORD AS DESIGNATED BY THE PART NUMBER, WHERE M=METER.
2. TECHNICAL SPECIFICATIONS:
   A. OPERATING TEMPERATURE RANGE IS FROM -10 C TO +60 C.
   B. CONNECTORS ARE 'FOCIS' COMPLIANT.
   C. CABLE ASSEMBLIES COMPLY WITH THE REQUIREMENTS OF TIA/EIA-568-C.3 OR EQUIVALENT IEC STANDARDS.
   D. ALL MATERIALS AND COMPONENTS USED MUST MEET THE MATERIAL RESTRICTIONS OF RoHS, (EUROPEAN DIRECTIVE 2011/65/EC ON THE RESTRICTION OF HAZARDOUS SUBSTANCES) AS PROPOSED BY THE RoHS TECHNICAL ADAPTATION COMMITTEE.
3. PACKAGING:
   A. CABLE ASSEMBLY SHIPPED WITH DUST CAPS INSTALLED.
   B. UNIT QUANTITY: 1 PATCHCORD/PIGTAIL PER BAG.

## CONNECTOR INSERTION/RETURN LOSS SPECIFICATIONS

| CONNECTOR TYPE | MAXIMUM INSERTION LOSS (PER CONNECTOR) | | | | MINIMUM RETURN LOSS (PER CONNECTOR) | |
|---|---|---|---|---|---|---|
| | SM (UPC) | STANDARD MM (PC) | OPTIMIZED MM (PC) | ULTRA-LOW (OM4 & OM4+) | SM (UPC) | MM (PC) |
| DUPLEX LC | 0.35dB | 0.25dB | 0.15dB | 0.10dB | 55dB | 26dB |
| DUPLEX SC | 0.50dB | 0.25dB | 0.15dB | 0.10dB | 55dB | 26dB |
| PUSH-PULL LC | 0.35dB | 0.25dB | 0.15dB | 0.10dB | 55dB | 26dB |

| REV | DATE | BY | CHK | APR | DESCRIPTION | ECN |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 01 | 07-06-16 | SAT | RWD | MMN | B. ADDED (T)STD IL PAIR FLIPPED & (P)OPT IL PAIR FLIPPED.<br>A. ADDED (R)RISER AND (L)LSZH TO 5th POSITION. | M02779DX-DC |
| 00 | 01-06-16 | SAT | RWB | RWB | RELEASED TO PRODUCTION | M02779DX-DC |

TITLE: JACKETED DUPLEX FIBER PATCH CORDS

CUSTOMER DRAWING

ITEM REVISION NAME: M02779DX/00

DATASET FILE NAME: M02779DX_DC/00B

UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]
.x ± .03 [.762] .xxx ± .005 [.127]
.xx ± .01 [.25] ANGLES ± 1 °

THIRD ANGLE PROJECTION

MATERIAL:

DRAWING NUMBER: M02779DX-DC

| DRAWN BY | DATE | CHK | SCALE | SIZE |
|---|---|---|---|---|
| SAT | 01-04-16 | RWB | NONE | B |

SHT 1 OF 2

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# PANDUIT JACKETED FIBER PATCH CORD MASTER OPTIONS LIST

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | | | | | | | | | | | | | | |

**1st POSITION - FIBER PRODUCT**

F - FIBER

**2nd POSITION - FIBER TYPE**

9 - SINGLEMODE
S - SIG-CORE (OM4+)
X - OM3
Z - OM4

**3rd POSITION - FIBER COUNT**

2 - 2 FIBER

**4th POSITION - CABLE TYPE**

E - 1.6mm DUPLEX
3 - 3mm DUPLEX (SC-SC ONLY)

**5th POSITION - JACKET TYPE**

P - PLENUM
R - RISER
L - LSZH

**6th POSITIONS - CONNECTOR (END A)**

Q - PUSH PULL DUPLEX LC
L - LC DUPLEX
S - SC DUPLEX

**7th POSITIONS - CONNECTOR VARIANT**

1 - PUSH PULL DUPLEX LC
N - NO VARIANT

**8th POSITION - CONNECTOR (END B)**

Q - PUSH PULL DUPLEX LC
L - LC DUPLEX
S - SC DUPLEX

**9th POSITIONS - CONNECTOR VARIANT**

1 - PUSH PULL DUPLEX LC
N - NO VARIANT

**10th POSITION - PERFORMANCE/POLARITY**

S - STANDARD IL
T - STANDARD IL PAIR FLIPPED
O - OPTIMIZED IL
P - OPTIMIZED IL PAIR FLIPPED
N - ULTRA LOW IL (OM4 & OM4+ ONLY)

**11th POSITION - PULLING EYE**

N - NO PULLING EYE

**12th POSITION - UNIT OF MEASURE**

F - FEET
M - METERS

**13th, 14th, AND 15th POSITIONS - ASSEMBLY LENGTH**

F - 001-050 FEET
M - 001-050 METERS

| REV | DATE | BY | CHK | APR | DESCRIPTION | ECN |
|---|---|---|---|---|---|---|
| 01 | 07-06-16 | SAT | RWB | MMN | SEE SHEET 1 FOR REVISION HISTORY. | M02779DX-DC |

TITLE: JACKETED DUPLEX FIBER PATCH CORDS

CUSTOMER DRAWING

ITEM REVISION NAME: M02779DX/00

DATASET FILE NAME: M02779DX_DC/00B

UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]
.X ± .03 [.762] .XXX ± .005 [.127]
.XX ± .01 [.25] ANGLES ± 1 °

THIRD ANGLE PROJECTION

MATERIAL:

DRAWING NUMBER: M02779DX-DC

| DRAWN BY | DATE | CHK | SCALE | SIZE |
|---|---|---|---|---|
| SAT | 01-04-16 | RWB | NONE | B |

SHT 2 OF 2