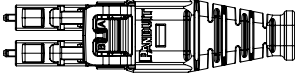
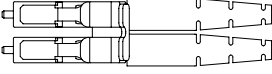


FIBER OPTIC CONNECTOR TYPES

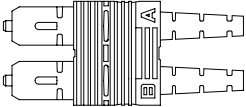
(POSITIONS 9 AND 11 OF PART NUMBER)



PUSH PULL DUPLEX LC  
(TYPE Q)



DUPLEX LC  
(TYPE L)

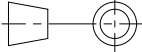


DUPLEX SC  
(TYPE S)

NOTES:

- CABLE ASSEMBLY (WITH CONNECTORS):
  - SEE SHEET 2 FOR PART NUMBER MATRIX.
  - CANNOT BE LESS THAN THE LENGTH SPECIFIED IN THE PART NUMBER.
  - 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.
  - TIP TO TIP LENGTH IS MEASURED WITHOUT DUST CAPS INSTALLED.
  - PATCHCORD ROUTING CONFIGURATION IS "A" TO "B".
  - THIS DRAWING SHALL BE APPLICABLE TO ANY LENGTH PATCHCORD AS DESIGNATED BY THE PART NUMBER, WHERE M=METER.
- TECHNICAL SPECIFICATIONS:
  - OPERATING TEMPERATURE RANGE IS FROM -10 C TO +60 C.
  - CONNECTORS ARE 'FOCIS' COMPLIANT.
  - CABLE ASSEMBLIES COMPLY WITH THE REQUIREMENTS OF T1A/E1A-568-C.3 OR EQUIVALENT IEC STANDARDS.
  - 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.
- PACKAGING:
  - CABLE ASSEMBLY SHIPPED WITH DUST CAPS INSTALLED.
  - 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    |

|     |      |    |     |     |             |     |                                                                                       |          |                                   |       |                                                                                       |  |
|-----|------|----|-----|-----|-------------|-----|---------------------------------------------------------------------------------------|----------|-----------------------------------|-------|---------------------------------------------------------------------------------------|--|
|     |      |    |     |     |             |     | 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 ]              |       | DRAWING NUMBER:<br>M02779DX - DC                                                      |  |
|     |      |    |     |     |             |     | .xx ± .01 [ .25 ]                                                                     |          | ANGLES ± 1 °                      |       |                                                                                       |  |
|     |      |    |     |     |             |     |  |          | THIRD ANGLE PROJECTION            |       |                                                                                       |  |
| REV | DATE | BY | CHK | APR | DESCRIPTION | ECN | DRAWN BY                                                                              | DATE     | CHK                               | SCALE | SHT 1 OF 2                                                                            |  |
|     |      |    |     |     |             |     | SAT                                                                                   | 01-04-16 | RWB                               | NONE  | B                                                                                     |  |

2

1

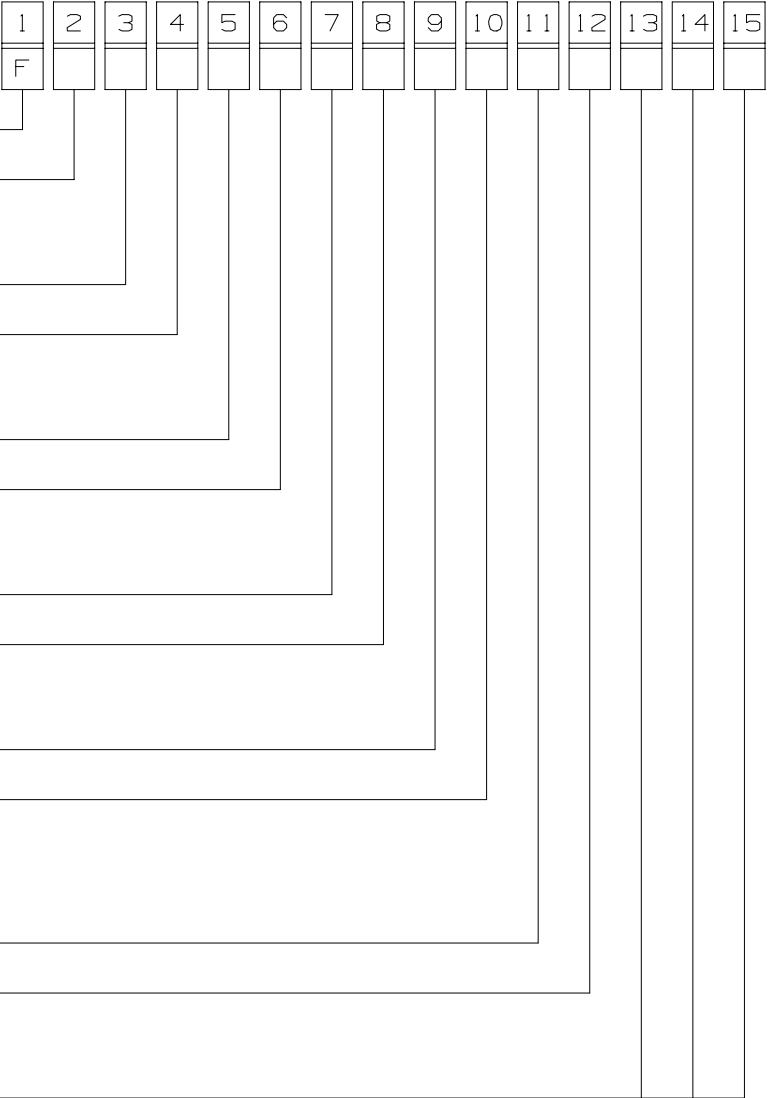
2

1



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PANDUIT JACKETED FIBER PATCH  
CORD MASTER OPTIONS LIST



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

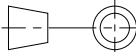
N - NO PULLING EYE

12th POSITION - UNIT OF MEASURE

F - FEET  
M - METERS

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

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

|     |          |     |     |     |                                   |             |                                                                                                                                                                |                  |            |               |                                                                                       |  |  |           |
|-----|----------|-----|-----|-----|-----------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|---------------|---------------------------------------------------------------------------------------|--|--|-----------|
|     |          |     |     |     |                                   |             | TITLE<br>JACKETED DUPLEX FIBER PATCH CORDS<br>CUSTOMER DRAWING                                                                                                 |                  |            |               |                                                                                       |  |  |           |
|     |          |     |     |     |                                   |             | ITEM REVISION NAME<br>M02779DX/00                                                                                                                              |                  |            |               |  |  |  |           |
|     |          |     |     |     |                                   |             | DATASET FILE NAME<br>M02779DX_DC/00B                                                                                                                           |                  |            |               |                                                                                       |  |  |           |
|     |          |     |     |     |                                   |             | UNLESS OTHERWISE SPECIFIED,<br>DIMENSIONAL TOLERANCES ARE: IN [ mm ]<br><br>.x ± .03 [ .762 ]      .xxx ± .005 [ .127 ]<br>.xx ± .01 [ .25 ]      ANGLES ± 1 ° |                  |            |               | MATERIAL :                                                                            |  |  |           |
|     |          |     |     |     |                                   |             |  THIRD ANGLE PROJECTION                                                   |                  |            |               | DRAWING NUMBER:<br>M02779DX - DC                                                      |  |  |           |
| 01  | 07-06-16 | SAT | RWB | MMN | SEE SHEET 1 FOR REVISION HISTORY. | M02779DX-DC | DRAWN BY<br>SAT                                                                                                                                                | DATE<br>01-04-16 | CHK<br>RWB | SCALE<br>NONE | SHT 2 OF 2                                                                            |  |  | SIZE<br>B |
| REV | DATE     | BY  | CHK | APR | DESCRIPTION                       | ECN         |                                                                                                                                                                |                  |            |               |                                                                                       |  |  |           |



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