

**Right Side**  
Connector(s): MPO (No Pins)  
Mode: MM  
Housing Color: Black  
Geom. Spec: N/A

- 1 Product and Processing must meet requirements of TE CONNECTIVITY Standard 230-702
- 2 A copy of test data will be placed inside or with the unit package.
- 3 Label 2 will not be present on any cable assembly less than 5 meters long.
- 4 The cable meets or exceeds the requirements of GR-409-CORE for both RISER and PLENUM applications.
- 5 The cable meets or exceeds the UL requirements for both RISER and PLENUM applications.

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| LOC  |
| CE   |
| DIST |
| 16   |

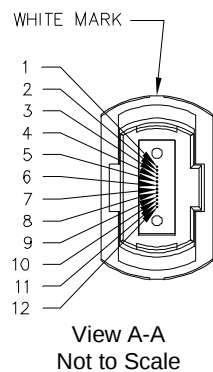
|   |     |                           |         |     |      |  |
|---|-----|---------------------------|---------|-----|------|--|
|   |     |                           |         |     |      |  |
|   | AJ  | REVISED PER ECO-11-005139 | 14APR11 | RK  | HMR  |  |
| P | LTR | REVISION RECORD           | DATE    | DWN | APVD |  |

**DIMENSIONS:**  
meters



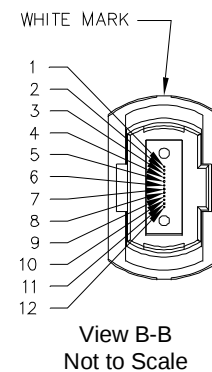
| TOLERANCES UNLESS OTHERWISE SPECIFIED |   |   |
|---------------------------------------|---|---|
| 0 PLC                                 | ± | - |
| 1 PLC                                 | ± | - |
| 2 PLC                                 | ± | - |
| 3 PLC                                 | ± | - |
| 4 PLC                                 | ± | - |

|                                                                           |            |                                                                                                       |                 |           |
|---------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------|
| DWG Cable Assy Configurator                                               |            | MATERIAL                                                                                              | HEAT TREAT      |           |
| CHK                                                                       | Joe Davis  | -                                                                                                     | -               |           |
| APVD                                                                      | Joe Davis  |  TE Connectivity |                 |           |
| NAME FO CJA - 24 fiber, 50/125, OFNR-OFNP, MPO (No Pins) to MPO (No Pins) |            |                                                                                                       |                 |           |
| SCALE<br>NTS                                                              | SIZE<br>A2 | DRAWING NO<br>C- 6435029                                                                              | SHEET<br>1 of 5 | REV<br>A2 |



Pairs Flipped

| A-A Fiber Color | Connector Position # | B-B Fiber Color |
|-----------------|----------------------|-----------------|
| Blue            | 1                    | Orange          |
| Orange          | 2                    | Blue            |
| Green           | 3                    | Brown           |
| Brown           | 4                    | Green           |
| Slate           | 5                    | White           |
| White           | 6                    | Slate           |
| Red             | 7                    | Black           |
| Black           | 8                    | Red             |
| Yellow          | 9                    | Violet          |
| Violet          | 10                   | Yellow          |
| Rose            | 11                   | Aqua            |
| Aqua            | 12                   | Rose            |



Lightray Connector Fiber Path

|       |   |       |
|-------|---|-------|
| Leg 1 | 1 | Leg 1 |
| Leg 2 | 2 | Leg 2 |

LOC  
CE  
DIST  
16

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|---|-----|-----------------|--|--|--|------|-----|----|
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|   |     |                 |  |  |  |      |     |    |
|   |     | SEE SHEET 1     |  |  |  |      |     |    |
| P | LTR | REVISION RECORD |  |  |  | DATE | DIN | AP |

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| DIMENSIONS:<br>meters | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                    |
|                       | 9 P.L.C. ± .<br>1 P.L.C. ± .<br>2 P.L.C. ± .<br>3 P.L.C. ± .<br>4 P.L.C. ± . |

|                                                                            |                                                                                                       |                        |               |         |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------|---------------|---------|
| DIN: Cable Assy Configurator                                               |                                                                                                       | MATERIAL: -            | HEAT TREAT: - |         |
| CHK: Joe Davis                                                             |  TE Connectivity |                        |               |         |
| APVD: Joe Davis                                                            |                                                                                                       |                        |               |         |
| NAME: FO C/A - 24 fiber, 50/125, OFNR-OFNP, MPO (No Pins) to MPO (No Pins) |                                                                                                       |                        |               |         |
| SCALE: NTS                                                                 | SIZE: A2                                                                                              | DRAWING NO: C- 6435029 | SHEET: 2 of 5 | REV: A2 |

| Qty   | U of M | Description                                     | Item No |
|-------|--------|-------------------------------------------------|---------|
| 0.167 | piece  | Label, 1 & 2                                    | 23      |
| 3     | piece  | Trace Label                                     | 22      |
| 4     | piece  | Ferrule, MT, MM, 12 Fiber                       | 21      |
| 0.2   | RL     | Electrical Tape                                 | 20      |
| 4.06  | meters | Oval Tube, Orange                               | 19      |
| 4     | piece  | Boot, MPO - Black                               | 18      |
| 4     | piece  | Dust Cover                                      | 17      |
| 1     | piece  | Braided Sleeve                                  | 16      |
| 1     | piece  | Caution Label                                   | 15      |
| 1     | piece  | Pulling Sock                                    | 14      |
| 4     | piece  | Spirap 5.5"                                     | 13      |
| 1     | piece  | Heat Shrink Tubing                              | 12      |
| 0.5   | piece  | Foam Cap                                        | 11      |
| 4     | piece  | Construction tape                               | 10      |
| 2     | piece  | Heat Shrink Tubing                              | 9       |
| 4     | piece  | Crimp Ring                                      | 8       |
| 4     | piece  | Spring Retainer                                 | 7       |
| 4     | piece  | Spring                                          | 6       |
| 4     | piece  | Connector Housing                               | 5       |
| AR    | meter  | 24 Fiber, 50/125, 7.8mm, CLT, Orange, OFNR/OFNP | 4       |
| 2     | piece  | VACUUM HOSE, SPIRAFLEX 1 FOOT                   | 3       |
| 4     | piece  | Pin Holder w/out Pins                           | 2       |
| 4     | piece  | Mini boot, 12 fiber                             | 1       |

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|   |     | SEE SHEET 1     |      |     |    |
| P | LTR | REVISION RECORD | DATE | DIN | AP |

|                                                                                       |  |                                                                                        |                       |                          |                                                                                                       |           |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|-----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|-----------|
| DIMENSIONS:<br>meters                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                              |                       | CHK<br>Joe Davis         |  TE Connectivity |           |
|  |  | 0 P.L.C.     -<br>1 P.L.C.     -<br>2 P.L.C.     -<br>3 P.L.C.     -<br>4 P.L.C.     - | -<br>-<br>-<br>-<br>- | APVD<br>Joe Davis        |                                                                                                       |           |
|  |  | NAME<br>FO C/A - 24 fiber, 50/125, OFNR-OFNP, MPO (No Pins) to MPO (No Pins)           |                       |                          |                                                                                                       |           |
| APVD                                                                                  |  | SCALE<br>N/A                                                                           | SIZE<br>A2            | DRAWING NO<br>C- 6435029 | SHEET<br>3 of 5                                                                                       | REV<br>A2 |

6435029

|  |         |
|--|---------|
|  | USED ON |
|--|---------|

| Part #      | L (meters)        | L (feet)          | MPO (No Pins), Black |         | MPO (No Pins), Black |         |
|-------------|-------------------|-------------------|----------------------|---------|----------------------|---------|
|             |                   |                   | IL (dB)              | RL (dB) | IL (dB)              | RL (dB) |
| 4-6435029-5 | 137.160 - 139.903 | 450.00 - 459.00   | 0.96                 | -       | 0.96                 | -       |
| 4-6435029-6 | 140.208 - 143.012 | 460.00 - 469.20   | 0.96                 | -       | 0.96                 | -       |
| 4-6435029-7 | 143.256 - 146.121 | 470.00 - 479.40   | 0.96                 | -       | 0.96                 | -       |
| 4-6435029-8 | 146.304 - 149.230 | 480.00 - 489.60   | 0.97                 | -       | 0.97                 | -       |
| 4-6435029-9 | 149.352 - 152.339 | 490.00 - 499.80   | 0.97                 | -       | 0.97                 | -       |
| 5-6435029-0 | 152.400 - 155.448 | 500.00 - 510.00   | 0.98                 | -       | 0.98                 | -       |
| 5-6435029-1 | 160.020 - 163.220 | 525.00 - 535.50   | 0.99                 | -       | 0.99                 | -       |
| 5-6435029-2 | 167.640 - 170.993 | 550.00 - 561.00   | 1                    | -       | 1                    | -       |
| 5-6435029-3 | 175.260 - 178.765 | 575.00 - 586.50   | 1.01                 | -       | 1.01                 | -       |
| 5-6435029-4 | 182.880 - 186.538 | 600.00 - 612.00   | 1.02                 | -       | 1.02                 | -       |
| 5-6435029-5 | 190.500 - 194.310 | 625.00 - 637.50   | 1.04                 | -       | 1.04                 | -       |
| 5-6435029-6 | 198.120 - 202.082 | 650.00 - 663.00   | 1.05                 | -       | 1.05                 | -       |
| 5-6435029-7 | 205.740 - 209.855 | 675.00 - 688.50   | 1.06                 | -       | 1.06                 | -       |
| 5-6435029-8 | 213.360 - 217.627 | 700.00 - 714.00   | 1.07                 | -       | 1.07                 | -       |
| 5-6435029-9 | 220.980 - 225.400 | 725.00 - 739.50   | 1.08                 | -       | 1.08                 | -       |
| 6-6435029-0 | 228.600 - 233.172 | 750.00 - 765.00   | 1.09                 | -       | 1.09                 | -       |
| 6-6435029-1 | 236.220 - 240.944 | 775.00 - 790.50   | 1.1                  | -       | 1.1                  | -       |
| 6-6435029-2 | 243.840 - 248.717 | 800.00 - 816.00   | 1.12                 | -       | 1.12                 | -       |
| 6-6435029-3 | 251.460 - 256.489 | 825.00 - 841.50   | 1.13                 | -       | 1.13                 | -       |
| 6-6435029-4 | 259.080 - 264.262 | 850.00 - 867.00   | 1.14                 | -       | 1.14                 | -       |
| 6-6435029-5 | 266.700 - 272.034 | 875.00 - 892.50   | 1.15                 | -       | 1.15                 | -       |
| 6-6435029-6 | 274.320 - 279.806 | 900.00 - 918.00   | 1.16                 | -       | 1.16                 | -       |
| 6-6435029-7 | 281.940 - 287.579 | 925.00 - 943.50   | 1.17                 | -       | 1.17                 | -       |
| 6-6435029-8 | 289.560 - 295.351 | 950.00 - 969.00   | 1.18                 | -       | 1.18                 | -       |
| 6-6435029-9 | 297.180 - 303.124 | 975.00 - 994.50   | 1.2                  | -       | 1.2                  | -       |
| 7-6435029-0 | 304.800 - 310.896 | 1000.00 - 1020.00 | 1.21                 | -       | 1.21                 | -       |
| 7-6435029-1 | 7.620 - 8.230     | 25.00 - 27.00     | 0.76                 | -       | 0.76                 | -       |
| 7-6435029-2 | 10.668 - 11.278   | 35.00 - 37.00     | 0.77                 | -       | 0.77                 | -       |
| 7-6435029-3 | 13.716 - 14.326   | 45.00 - 47.00     | 0.77                 | -       | 0.77                 | -       |

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| P | LTR | REVISION RECORD | DATE | DIN | AP |

|                                                                                       |  |                                           |   |                                                                              |                                                                                                       |                          |                 |           |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|---|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------|-----------------|-----------|
| DIMENSIONS:<br>meters                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |   | CHK<br>Joe Davis                                                             |  TE Connectivity |                          |                 |           |
|  |  | 0 P.C.                                    | - | APVD<br>Joe Davis                                                            |                                                                                                       |                          |                 |           |
|                                                                                       |  | 1 P.C.                                    | - | NAME<br>FO C/A - 24 fiber, 50/125, OFNR-OFNP, MPO (No Pins) to MPO (No Pins) |                                                                                                       |                          |                 |           |
|                                                                                       |  | 2 P.C.                                    | - |                                                                              |                                                                                                       |                          |                 |           |
|                                                                                       |  | 3 P.C.                                    | - |                                                                              |                                                                                                       |                          |                 |           |
|                                                                                       |  | 4 P.C.                                    | - |                                                                              | SCALE<br>N/A                                                                                          | DRAWING NO<br>C- 6435029 | SHEET<br>4 of 5 | REV<br>A2 |

8

7

6

5

4

3

2

1

D

C

B

A

**Label 1**

Per specification 107-1645-1



-Trace # - Bar Code

[illegible]

-Trace # - Human Readable

Logo

Made in XX

X-XXXXXXXX-X

-Part Number

Country of Origin

**This label is used on all lengths on this drawing.**

**Label 2**

Per specification 107-1645-1



—Trace # - Bar Code

[illegible]

—Trace # - Human Readable

Logo

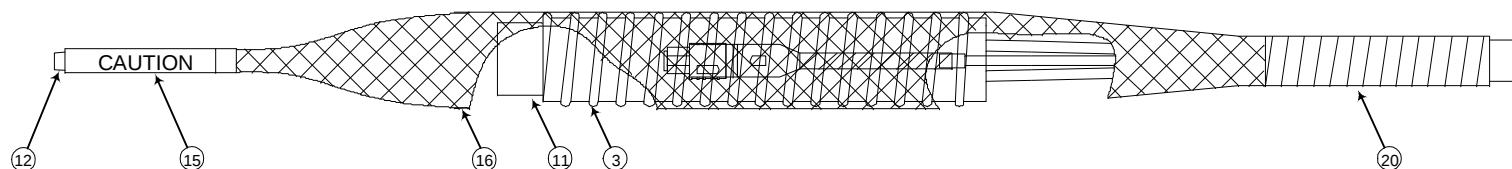
Made in XXXX

XXXXXXXXXX-X

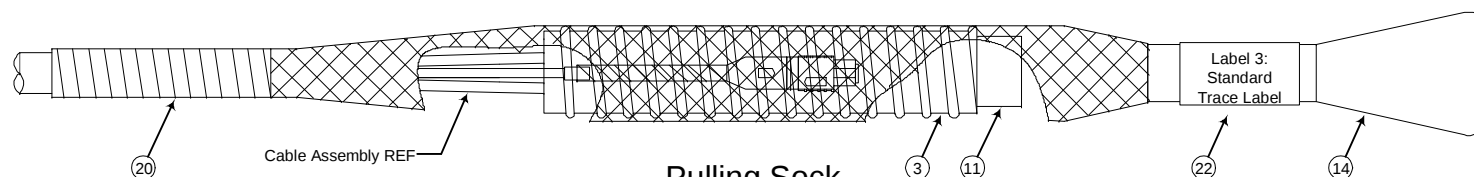
—Part Number

—Country of Origin

**This label is used on all lengths on this drawing.**



Protective Cover  
Bottom End



## Pulling Sock Top End

|      |
|------|
| LOC  |
| CE   |
| DIST |
| 16   |

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|   |     |                        |  |      |     |
| P | LTR | <b>SEE SHEET 1</b>     |  | DATE | DIN |
|   |     |                        |  |      |     |
|   |     | <b>REVISION RECORD</b> |  |      | AIR |

| DIMENSIONS:                                                                           |       | TOLERANCES UNLESS OTHERWISE SPECIFIED: |   |
|---------------------------------------------------------------------------------------|-------|----------------------------------------|---|
| meters                                                                                |       |                                        |   |
|  | 0 PLC | ±                                      | - |
|                                                                                       | 1 PLC | ±                                      | - |
|                                                                                       | 2 PLC | ±                                      | - |
|                                                                                       | 3 PLC | ±                                      | - |
|                                                                                       | 4 PLC | ±                                      | - |

|                                                                                     |  |                                                                                                            |  |                                        |  |
|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>DP#</b> Cable Assy Configurator<br><b>CHK</b> Joe Davis<br><b>APVD</b> Joe Davis |  | <b>MATERIAL</b> -<br> |  | <b>HEAT TREAT</b> -<br>TE Connectivity |  |
| <b>NAME</b> FO C/A - 24 fiber, 50/125, OFNR-OFNP, MPO (No Pins) to MPO (No Pins)    |  |                                                                                                            |  |                                        |  |
| <b>SCALE</b> NTS<br><b>SIZE</b> A2                                                  |  | <b>DRAWING NO</b> C- 6435029                                                                               |  | <b>SHEET</b> 5 of 5<br><b>REV</b> A2   |  |