

# Connector Conversion Cable

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| FCN48-2FCN24<br>GRPT-F48-2F24 |                          |             |            |                    |
|-------------------------------|--------------------------|-------------|------------|--------------------|
| FCN<br>CN1 Pin No.            | Wire Core Identification |             |            | FCN<br>CN2 Pin No. |
| Pin No.                       | Pair No.                 | Cable Color | Line Color | Pin No.            |
| A1                            | 1 Pair                   | Orange      | Black 1    | A1                 |
| A2                            |                          |             | Red 1      | A2                 |
| A3                            | 2 Pair                   | Gray        | Black 1    | A3                 |
| A4                            |                          |             | Red 1      | A4                 |
| A5                            | 3 Pair                   | White       | Black 1    | A5                 |
| A6                            |                          |             | Red 1      | A6                 |
| A7                            | 4 Pair                   | Yellow      | Black 1    | A7                 |
| A8                            |                          |             | Red 1      | A8                 |
| A9                            | 5 Pair                   | Pink        | Black 1    | A9                 |
| A10                           |                          |             | Red 1      | A10                |
| A11                           | 6 Pair                   | Orange      | Black 2    | A11                |
| A12                           |                          |             | Red 2      | A12                |
| A13                           | 7 Pair                   | Gray        | Black 2    | B1                 |
| A14                           |                          |             | Red 2      | B2                 |
| A15                           | 8 Pair                   | White       | Black 2    | B3                 |
| A16                           |                          |             | Red 2      | B4                 |
| A17                           | 9 Pair                   | Yellow      | Black 2    | B5                 |
| A18                           |                          |             | Red 2      | B6                 |
| A19                           | 10 Pair                  | Pink        | Black 2    | B7                 |
| A20                           |                          |             | Red 2      | B8                 |
| A21                           | 11 Pair                  | Orange      | Black 3    | B9                 |
| A22                           |                          |             | Red 3      | B10                |
| A23                           | 12 Pair                  | Gray        | Black 3    | B11                |
| A24                           |                          |             | Red 3      | B12                |

| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| B1          | 1 Pair   | Orange      | Black 1    | A1          |
| B2          |          |             | Red 1      | A2          |
| B3          | 2 Pair   | Gray        | Black 1    | A3          |
| B4          |          |             | Red 1      | A4          |
| B5          | 3 Pair   | White       | Black 1    | A5          |
| B6          |          |             | Red 1      | A6          |
| B7          | 4 Pair   | Yellow      | Black 1    | A7          |
| B8          |          |             | Red 1      | A8          |
| B9          | 5 Pair   | Pink        | Black 1    | A9          |
| B10         |          |             | Red 1      | A10         |
| B11         | 6 Pair   | Orange      | Black 2    | A11         |
| B12         |          |             | Red 2      | A12         |
| B13         | 7 Pair   | Gray        | Black 2    | B1          |
| B14         |          |             | Red 2      | B2          |
| B15         | 8 Pair   | White       | Black 2    | B3          |
| B16         |          |             | Red 2      | B4          |
| B17         | 9 Pair   | Yellow      | Black 2    | B5          |
| B18         |          |             | Red 2      | B6          |
| B19         | 10 Pair  | Pink        | Black 2    | B7          |
| B20         |          |             | Red 2      | B8          |
| B21         | 11 Pair  | Orange      | Black 3    | B9          |
| B22         |          |             | Red 3      | B10         |
| B23         | 12 Pair  | Gray        | Black 3    | B11         |
| B24         |          |             | Red 3      | B12         |

| FCN40-2MIL20<br>GRPT-F40-2M20 |                          |             |            |                    |
|-------------------------------|--------------------------|-------------|------------|--------------------|
| FCN<br>CN1 Pin No.            | Wire Core Identification |             |            | MIL<br>CN2 Pin No. |
| Pin No.                       | Pair No.                 | Cable Color | Line Color | Pin No.            |
| A1                            | 1 Pair                   | Orange      | Black 1    | 1                  |
| A2                            |                          |             | Red 1      | 2                  |
| A3                            | 2 Pair                   | Gray        | Black 1    | 3                  |
| A4                            |                          |             | Red 1      | 4                  |
| A5                            | 3 Pair                   | White       | Black 1    | 5                  |
| A6                            |                          |             | Red 1      | 6                  |
| A7                            | 4 Pair                   | Yellow      | Black 1    | 7                  |
| A8                            |                          |             | Red 1      | 8                  |
| A9                            | 5 Pair                   | Pink        | Black 1    | 9                  |
| A10                           |                          |             | Red 1      | 10                 |
| A11                           | 6 Pair                   | Orange      | Black 2    | 11                 |
| A12                           |                          |             | Red 2      | 12                 |
| A13                           | 7 Pair                   | Gray        | Black 2    | 13                 |
| A14                           |                          |             | Red 2      | 14                 |
| A15                           | 8 Pair                   | White       | Black 2    | 15                 |
| A16                           |                          |             | Red 2      | 16                 |
| A17                           | 9 Pair                   | Yellow      | Black 2    | 17                 |
| A18                           |                          |             | Red 2      | 18                 |
| A19                           | 10 Pair                  | Pink        | Black 2    | 19                 |
| A20                           |                          |             | Red 2      | 20                 |

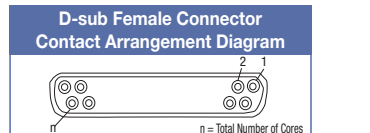
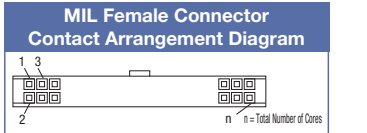
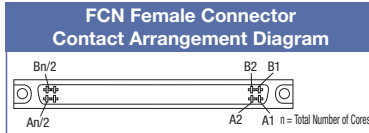
| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| B1          | 1 Pair   | Orange      | Black 1    | 1           |
| B2          |          |             | Red 1      | 2           |
| B3          | 2 Pair   | Gray        | Black 1    | 3           |
| B4          |          |             | Red 1      | 4           |
| B5          | 3 Pair   | White       | Black 1    | 5           |
| B6          |          |             | Red 1      | 6           |
| B7          | 4 Pair   | Yellow      | Black 1    | 7           |
| B8          |          |             | Red 1      | 8           |
| B9          | 5 Pair   | Pink        | Black 1    | 9           |
| B10         |          |             | Red 1      | 10          |
| B11         | 6 Pair   | Orange      | Black 2    | 11          |
| B12         |          |             | Red 2      | 12          |
| B13         | 7 Pair   | Gray        | Black 2    | 13          |
| B14         |          |             | Red 2      | 14          |
| B15         | 8 Pair   | White       | Black 2    | 15          |
| B16         |          |             | Red 2      | 16          |
| B17         | 9 Pair   | Yellow      | Black 2    | 17          |
| B18         |          |             | Red 2      | 18          |
| B19         | 10 Pair  | Pink        | Black 2    | 19          |
| B20         |          |             | Red 2      | 20          |

| FCN40-2FCN24<br>GRPT-F40-2F24 |                          |             |            |                    |
|-------------------------------|--------------------------|-------------|------------|--------------------|
| FCN<br>CN1 Pin No.            | Wire Core Identification |             |            | FCN<br>CN2 Pin No. |
| Pin No.                       | Pair No.                 | Cable Color | Line Color | Pin No.            |
| A1                            | 1 Pair                   | Orange      | Black 1    | A1                 |
| A2                            |                          |             | Red 1      | A2                 |
| A3                            | 2 Pair                   | Gray        | Black 1    | A3                 |
| A4                            |                          |             | Red 1      | A4                 |
| A5                            | 3 Pair                   | White       | Black 1    | A5                 |
| A6                            |                          |             | Red 1      | A6                 |
| A7                            | 4 Pair                   | Yellow      | Black 1    | A7                 |
| A8                            |                          |             | Red 1      | A8                 |
| A9                            | 5 Pair                   | Pink        | Black 1    | A9                 |
| A10                           |                          |             | Red 1      | A10                |
| A11                           | 6 Pair                   | Orange      | Black 2    | B1                 |
| A12                           |                          |             | Red 2      | B2                 |
| A13                           | 7 Pair                   | Gray        | Black 2    | B3                 |
| A14                           |                          |             | Red 2      | B4                 |
| A15                           | 8 Pair                   | White       | Black 2    | B5                 |
| A16                           |                          |             | Red 2      | B6                 |
| A17                           | 9 Pair                   | Yellow      | Black 2    | B7                 |
| A18                           |                          |             | Red 2      | B8                 |
| A19                           | 10 Pair                  | Pink        | Black 2    | B9                 |
| A20                           |                          |             | Red 2      | B10                |

| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| B1          | 1 Pair   | Orange      | Black 1    | A1          |
| B2          |          |             | Red 1      | A2          |
| B3          | 2 Pair   | Gray        | Black 1    | A3          |
| B4          |          |             | Red 1      | A4          |
| B5          | 3 Pair   | White       | Black 1    | A5          |
| B6          |          |             | Red 1      | A6          |
| B7          | 4 Pair   | Yellow      | Black 1    | A7          |
| B8          |          |             | Red 1      | A8          |
| B9          | 5 Pair   | Pink        | Black 1    | A9          |
| B10         |          |             | Red 1      | A10         |
| B11         | 6 Pair   | Orange      | Black 2    | B1          |
| B12         |          |             | Red 2      | B2          |
| B13         | 7 Pair   | Gray        | Black 2    | B3          |
| B14         |          |             | Red 2      | B4          |
| B15         | 8 Pair   | White       | Black 2    | B5          |
| B16         |          |             | Red 2      | B6          |
| B17         | 9 Pair   | Yellow      | Black 2    | B7          |
| B18         |          |             | Red 2      | B8          |
| B19         | 10 Pair  | Pink        | Black 2    | B9          |
| B20         |          |             | Red 2      | B10         |

Connector Included Cable Documents



| MIL40-2MIL20<br>GRPT-M40-2M20 |                          |             |            |                    |
|-------------------------------|--------------------------|-------------|------------|--------------------|
| MIL<br>CN1 Pin No.            | Wire Core Identification |             |            | MIL<br>CN2 Pin No. |
| Pin No.                       | Pair No.                 | Cable Color | Line Color | Pin No.            |
| 1                             | 1 Pair                   | Orange      | Black 1    | 1                  |
| 2                             |                          |             | Red 1      | 2                  |
| 3                             | 2 Pair                   | Gray        | Black 1    | 3                  |
| 4                             |                          |             | Red 1      | 4                  |
| 5                             | 3 Pair                   | White       | Black 1    | 5                  |
| 6                             |                          |             | Red 1      | 6                  |
| 7                             | 4 Pair                   | Yellow      | Black 1    | 7                  |
| 8                             |                          |             | Red 1      | 8                  |
| 9                             | 5 Pair                   | Pink        | Black 1    | 9                  |
| 10                            |                          |             | Red 1      | 10                 |
| 11                            | 6 Pair                   | Orange      | Black 2    | 11                 |
| 12                            |                          |             | Red 2      | 12                 |
| 13                            | 7 Pair                   | Gray        | Black 2    | 13                 |
| 14                            |                          |             | Red 2      | 14                 |
| 15                            | 8 Pair                   | White       | Black 2    | 15                 |
| 16                            |                          |             | Red 2      | 16                 |
| 17                            | 9 Pair                   | Yellow      | Black 2    | 17                 |
| 18                            |                          |             | Red 2      | 18                 |
| 19                            | 10 Pair                  | Pink        | Black 2    | 19                 |
| 20                            |                          |             | Red 2      | 20                 |

| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| 21          | 1 Pair   | Orange      | Black 1    | 1           |
| 22          |          |             | Red 1      | 2           |
| 23          | 2 Pair   | Gray        | Black 1    | 3           |
| 24          |          |             | Red 1      | 4           |
| 25          | 3 Pair   | White       | Black 1    | 5           |
| 26          |          |             | Red 1      | 6           |
| 27          | 4 Pair   | Yellow      | Black 1    | 7           |
| 28          |          |             | Red 1      | 8           |
| 29          | 5 Pair   | Pink        | Black 1    | 9           |
| 30          |          |             | Red 1      | 10          |
| 31          | 6 Pair   | Orange      | Black 2    | 11          |
| 32          |          |             | Red 2      | 12          |
| 33          | 7 Pair   | Gray        | Black 2    | 13          |
| 34          |          |             | Red 2      | 14          |
| 35          | 8 Pair   | White       | Black 2    | 15          |
| 36          |          |             | Red 2      | 16          |
| 37          | 9 Pair   | Yellow      | Black 2    | 17          |
| 38          |          |             | Red 2      | 18          |
| 39          | 10 Pair  | Pink        | Black 2    | 19          |
| 40          |          |             | Red 2      | 20          |

| MIL34-2MIL20<br>GRPT-M34-2M20 |                          |             |            |                    |
|-------------------------------|--------------------------|-------------|------------|--------------------|
| MIL<br>CN1 Pin No.            | Wire Core Identification |             |            | MIL<br>CN2 Pin No. |
| Pin No.                       | Pair No.                 | Cable Color | Line Color | Pin No.            |
| 1                             | 1 Pair                   | Orange      | Black 1    | 1                  |
| 2                             |                          |             | Red 1      | 2                  |
| 3                             | 2 Pair                   | Gray        | Black 1    | 3                  |
| 4                             |                          |             | Red 1      | 4                  |
| 5                             | 3 Pair                   | White       | Black 1    | 5                  |
| 6                             |                          |             | Red 1      | 6                  |
| 7                             | 4 Pair                   | Yellow      | Black 1    | 7                  |
| 8                             |                          |             | Red 1      | 8                  |
| 9                             | 5 Pair                   | Pink        | Black 1    | 9                  |
| 10                            |                          |             | Red 1      | 10                 |
| 11                            | 6 Pair                   | Orange      | Black 2    | 11                 |
| 12                            |                          |             | Red 2      | 12                 |
| 13                            | 7 Pair                   | Gray        | Black 2    | 13                 |
| 14                            |                          |             | Red 2      | 14                 |
| 15                            | 8 Pair                   | White       | Black 2    | 15                 |
| 16                            |                          |             | Red 2      | 16                 |
| 17                            | 9 Pair                   | Yellow      | Black 2    | 17                 |
| 18                            |                          |             | Red 2      | 18                 |
| NC                            |                          |             | Black 2    | 19                 |
| NC                            |                          |             | Red 2      | 20                 |

| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| 18          | 1 Pair   | Orange      | Black 1    | 1           |
| 19          |          |             | Red 1      | 2           |
| 20          | 2 Pair   | Gray        | Black 1    | 3           |
| 21          |          |             | Red 1      | 4           |
| 22          | 3 Pair   | White       | Black 1    | 5           |
| 23          |          |             | Red 1      | 6           |
| 24          | 4 Pair   | Yellow      | Black 1    | 7           |
| 25          |          |             | Red 1      | 8           |
| 26          | 5 Pair   | Pink        | Black 1    | 9           |
| 27          |          |             | Red 1      | 10          |
| 28          | 6 Pair   | Orange      | Black 2    | 11          |
| 29          |          |             | Red 2      | 12          |
| 30          | 7 Pair   | Gray        | Black 2    | 13          |
| 31          |          |             | Red 2      | 14          |
| 32          | 8 Pair   | White       | Black 2    | 15          |
| 33          |          |             | Red 2      | 16          |
| 34          | 9 Pair   | Yellow      | Black 2    | 17          |
| 35          |          |             | Red 2      | 18          |
| NC          |          |             | Black 2    | 19          |
| NC          |          |             | Red 2      | 20          |

| Dsub37-2MIL20<br>GRPT-D37-2M20 |                          |             |            |                    |
|--------------------------------|--------------------------|-------------|------------|--------------------|
| Dsub<br>CN1 Pin No.            | Wire Core Identification |             |            | MIL<br>CN2 Pin No. |
| Pin No.                        | Pair No.                 | Cable Color | Line Color | Pin No.            |
| 1                              | 1 Pair                   | Orange      | Black 1    | 1                  |
| 2                              |                          |             | Red 1      | 2                  |
| 3                              | 2 Pair                   | Gray        | Black 1    | 3                  |
| 4                              |                          |             | Red 1      | 4                  |
| 5                              | 3 Pair                   | White       | Black 1    | 5                  |
| 6                              |                          |             | Red 1      | 6                  |
| 7                              | 4 Pair                   | Yellow      | Black 1    | 7                  |
| 8                              |                          |             | Red 1      | 8                  |
| 9                              | 5 Pair                   | Pink        | Black 1    | 9                  |
| 10                             |                          |             | Red 1      | 10                 |
| 11                             | 6 Pair                   | Orange      | Black 2    | 11                 |
| 12                             |                          |             | Red 2      | 12                 |
| 13                             | 7 Pair                   | Gray        | Black 2    | 13                 |
| 14                             |                          |             | Red 2      | 14                 |
| 15                             | 8 Pair                   | White       | Black 2    | 15                 |
| 16                             |                          |             | Red 2      | 16                 |
| 17                             | 9 Pair                   | Yellow      | Black 2    | 17                 |
| 18                             |                          |             | Red 2      | 18                 |
| 19                             | 10 Pair                  | Pink        | Black 2    | 19                 |
| 20                             |                          |             | Red 2      | 20                 |

| CN1 Pin No. | Pair No. | Cable Color | Line Color | CN3 Pin No. |
|-------------|----------|-------------|------------|-------------|
| 20          | 1 Pair   | Orange      | Black 1    | 1           |
| 21          |          |             | Red 1      | 2           |
| 22          | 2 Pair   | Gray        | Black 1    | 3           |
| 23          |          |             | Red 1      | 4           |
| 24          | 3 Pair   | White       | Black 1    | 5           |
| 25          |          |             | Red 1      | 6           |
| 26          | 4 Pair   | Yellow      | Black 1    | 7           |
| 27          |          |             | Red 1      | 8           |
| 28          | 5 Pair   | Pink        | Black 1    | 9           |
| 29          |          |             | Red 1      | 10          |
| 30          | 6 Pair   | Orange      | Black 2    | 11          |
| 31          |          |             | Red 2      | 12          |
| 32          | 7 Pair   | Gray        | Black 2    | 13          |
| 33          |          |             | Red 2      | 14          |
| 34          | 8 Pair   | White       | Black 2    | 15          |
| 35          |          |             | Red 2      | 16          |
| 36          | 9 Pair   | Yellow      | Black 2    | 17          |
| 37          |          |             | Red 2      | 18          |
| NC          |          |             | Black 2    | 19          |
| NC          |          |             | Red 2      | 20          |