



M12

# INDUSTRIAL I/O CABLES

UL listed cordsets available  
(w/ bolded M12 connectors & cables)

PART NUMBER REFERENCE: **MI-XXX-XX-XX-XX**

## Select Connector Type: End "1" (See Next Pg.)

- |                                    |  |
|------------------------------------|--|
| <b>M12, 5P Male A Coded = A</b>    | RJ45 Straight = 1                            |
| <b>M12, 5P Female A Coded = B</b>  | RJ45 VRT. w/Thumbscrews = 2                  |
| M12, 8P Male A Coded = C           | RJ45 HOR. w/Thumbscrews = 3                  |
| M12, 8P Female A Coded = D         | RJ45 Straight Industrial IP67 = 4            |
| <b>M12, 12P Male A Coded = E</b>   | RJ45 R/A DOWN w/Clip = 5                     |
| <b>M12, 12P Female A Coded = F</b> | RJ45 VRT. R/A DOWN w/Recessed Screws = 6     |
| <b>M12, 17P Male A Coded = G</b>   | RJ45 HOR. R/A Up w/Thumbscrews = 7           |
| <b>M12, 17P Female A Coded = H</b> | RJ45 HOR. R/A Down w/Thumbscrews = 8         |
| <b>M12, 4P Male D Coded = J</b>    | RJ45 VRT. RIGHT Exit w/Thumbscrews = 9       |
| <b>M12, 4P Female D Coded = K</b>  | RJ45 VRT. LEFT Exit w/Thumbscrews = 10       |
| M12, 8P Male X Coded = L           | RJ45 HOR. RIGHT EXIIT w/Recessed Screws = 11 |
| M12, 8P Female X Coded = M         | RJ45 HOR. LEFT Exit w/Recessed Screws = 12   |
| <b>M12, 4P Male A Coded = P</b>    | RJ45 Jack = 17                               |
| <b>M12, 4P Female A Coded = Q</b>  | RJ45 Slim Line = 18                          |
|                                    | IX-10A Industrial Ethernet = 19              |

## Select Connector Orientation: End "1" (Connectors A – Q)

Straight Exit = 0 Right Angle: 1 = 360°, 2 = 145°, 3 = 90°, 4 = 135°, 5 = 180°, 6 = 225°, 7 = 270°, 8 = 315°

## Cable Type Options:

- |  |  |
|--|--|
| <b>28 AWG, 5C = 1</b>                  | 26 AWG, 4P (CAT 5E) INDUSTRIAL = 9           |
| <b>28 AWG, 8C = 2</b>                  | <b>18 AWG, 5C, HIFLEX = A</b>                |
| <b>24 AWG, 12C = 3</b>                 | <b>18 AWG, 5C (Yellow Jacket) HIFLEX = B</b> |
| <b>26 AWG, 17C = 4</b>                 | <b>22 AWG, 5C, HIFLEX = C</b>                |
| 26 AWG, 4P (CAT 6) SSTP = 5            | 26 AWG, 5C, HIFLEX = D                       |
| 26 AWG, 4P (CAT 6A) 10 GIG ROBOTIC = 6 | <b>24 AWG, 4P (CAT 5E) IND HIFLEX = E</b>    |
| 26 AWG, 4P (CAT 5E) ROBOTIC = 7        | <b>22 AWG, 4P (CAT 5E) IND HIFLEX = F</b>    |
| 26 AWG, 4P (CAT 5E) C-TRACK = 8        |  |

## Select Connector Type: End "2" (See Next Pg.)

- |                                    |                                    |
|------------------------------------|------------------------------------|
| <b>M12, 5P Male A Coded = A</b>    | <b>M12, 17P Female A Coded = H</b> |
| <b>M12, 5P Female A Coded = B</b>  | <b>M12, 4P Male D Coded = J</b>    |
| M12, 8P Male A Coded = C           | <b>M12, 4P Female D Coded = K</b>  |
| M12, 8P Female A Coded = D         | M12, 8P Male X Coded = L           |
| <b>M12, 12P Male A Coded = E</b>   | M12, 8P Female X Coded = M         |
| <b>M12, 12P Female A Coded = F</b> | <b>M12, 4P Male A Coded = P</b>    |
| <b>M12, 17P Male A Coded = G</b>   | <b>M12, 4P Female A Coded = Q</b>  |

X on end "2" denotes Flying Leads = X

## Select Connector Orientation: End "2" (Connectors A – Q)

Straight Exit = 0 Right Angle: 1 = 360°, 2 = 145°, 3 = 90°, 4 = 135°, 5 = 180°, 6 = 225°, 7 = 270°, 8 = 315°

Length in Meters: 1 – 60

Note: UL doesn't list male to male cables.

## CONNECTOR TYPES: Ethernet RJ45 (See Next Pg. for M12 Connectors)



RJ45 Straight



RJ45 Vertical  
W. Thumbscrews



RJ45 Horizontal  
W. Thumbscrews



RJ45 Straight  
IP67 Industrial



RJ45 Vertical  
W. Thumbscrews



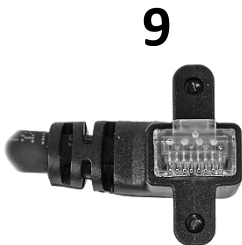
RJ45 Vertical R/A  
Down W. Screws



RJ45 Horizontal Right  
Exit W. Thumbscrews



RJ45 Horizontal Right  
Exit W. Thumbscrews



RJ45 Vertical Right  
Exit W. Thumbscrews



RJ45 Vertical Left  
Exit W. Thumbscrews



RJ45 Horizontal  
Right Exit W. Screws



RJ45 Horizontal  
Left Exit W. Screws



M12 90° R/A  
X-Coded Female



RJ45 Slim Line



IX-10A  
Industrial Ethernet

### Additional Dimensional Information:

For additional information regarding the physical dimensions of our connector profiles, please visit our Web-Site:

[www.ComponentsExpress.com](http://www.ComponentsExpress.com) or ask one our sales associates and we will be happy to assist.

# CONNECTOR TYPES: M12

**A**



M12, 5P Male  
A Coded

**B**



M12, 5P Female  
A Coded

**C**



M12, 8P Male  
A Coded

**D**



M12, 8P Female  
A Coded

**E**



M12, 12P Male  
A Coded

**F**



M12, 12P Female  
A Coded

**G**



M12, 17P Male  
A Coded

**H**



M12, 17P Female  
A Coded

**J**



M12, 4P Male  
D Coded

**K**



M12, 4P Female  
D Coded

**L**



M12, 8P Male  
X Coded

**M**



M12, 8P Female  
X Coded

**P**



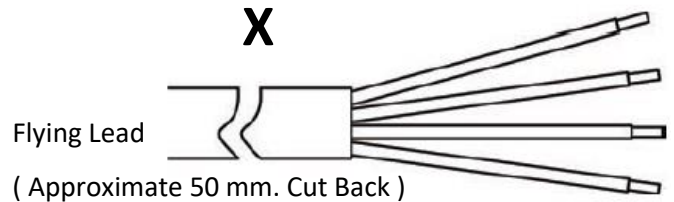
M12, 4P Male  
A Coded

**Q**



M12, 4P Female  
A Coded

**X**



## Additional Dimensional Information:

For additional information regarding the physical dimensions of our connector profiles, please visit our Web-Site: [www.ComponentsExpress.com](http://www.ComponentsExpress.com) or ask one our sales associates and we will be happy to assist.