

# Serial Cables

## Serial connection cables

### Features and Benefits

- Extend the transmission distance of serial signals



### Introduction

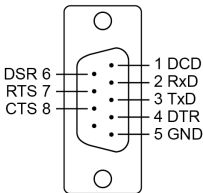
Moxa's serial cables extend the transmission distance for your multiport serial cards. It also expands the serial com ports for a serial connection.

### Pin Assignments

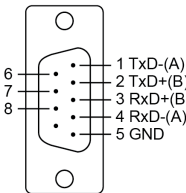
#### CBL-M44M9x4-50



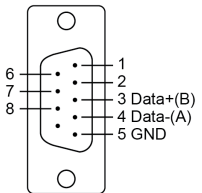
RS-232



RS-422/RS-485-4w



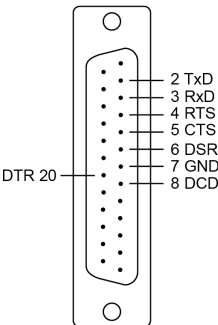
RS-485-2w



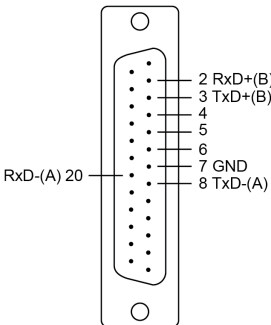
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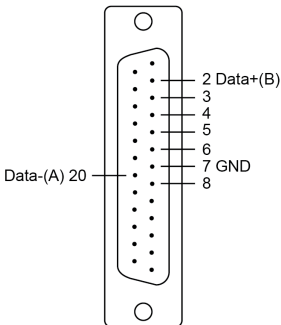
RS-232



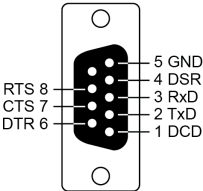
RS-422/RS-485-4w



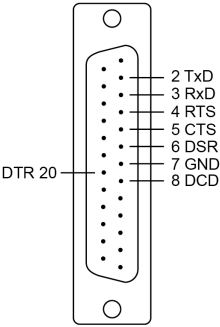
RS-485-2w



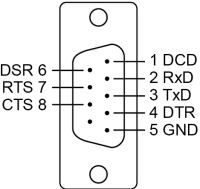
**CBL-RJ45F9-150**



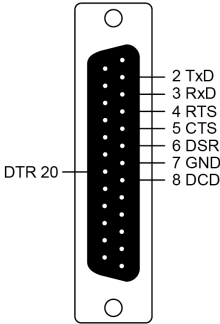
**CBL-RJ45M25-150**



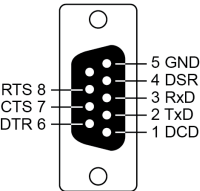
**CBL-RJ45M9-150**



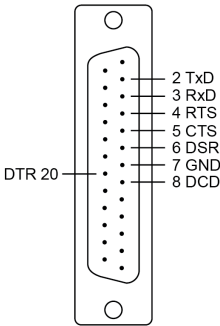
**CBL-RJ45SF25-150**



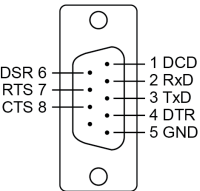
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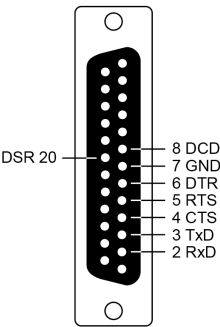
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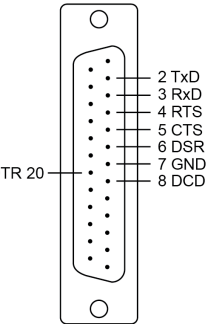
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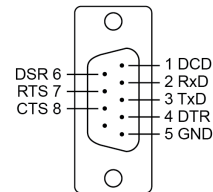
**CN20030**



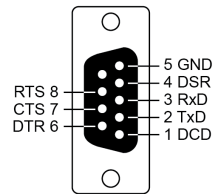
**CN20040**



**CN20060**



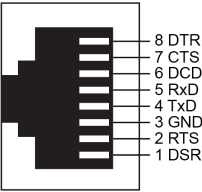
CN-20070



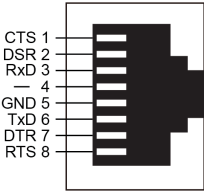
CBL-RJ458P-Cisco-BK-180



RS-232



Cisco Console



## Specifications

### Connector

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Board-side Connector  | <p> CBL-F40M25x4-50: 1 X DB40 (female)<br/> CBL-F9DPF1x4-BK-100: 1 x DB9 (female)<br/> CBL-F9M9-150: 1 x DB9 (female)<br/> CBL-F9M9-20: 1 x DB9 (female)<br/> CBL-M25M9x2-50: 1 x DB25 (male)<br/> CBL-M37M25x4-30: 1 x DB37 (male)<br/> CBL-M44M25x4-50: 1 x DB44 (male)<br/> CBL-M44M9x4-50: 1 x DB44 (male)<br/> CBL-M44M9x4-50 (POS): 1 x DB44 (male)<br/> CBL-M62M25x8-100: 1 x DB62 (male)<br/> CBL-M62M9x8-100: 1 x DB62 (male)<br/> CBL-M68M25x8-100: 1 x VHDCI 68<br/> CBL-M68M9x8-100: 1 x VHDCI 68<br/> CBL-M78M25x8-100: 1 x DB78 (male)<br/> CBL-M78M9x8-100: 1 x DB78 (male)<br/> CBL-RJ458P-100: 1 x 8-pin RJ45<br/> CBL-RJ458P-Cisco-BK-180: 1 x 8-pin RJ45<br/> CBL-RJ45F25-150: 1 x 8-pin RJ45<br/> CBL-RJ45F9-150: 1 x 8-pin RJ45<br/> CBL-RJ45M25-150: 1 x 8-pin RJ45<br/> CBL-RJ45M9-150: 1 x 8-pin RJ45<br/> CBL-RJ45SF25-150: 1 x 8-pin RJ45<br/> CBL-RJ45SF9-150: 1 x 8-pin RJ45<br/> CBL-RJ45SM25-150: 1 x 8-pin RJ45<br/> CBL-RJ45SM9-150: 1 x 8-pin RJ45<br/> CN20030: 1 x 10-pin RJ45<br/> CN20040: 1 x 10-pin RJ45<br/> CN20060: 1 x 10-pin RJ45<br/> CN20070: 1 x 10-pin RJ45<br/> NP21101: 1 x DB25 (male)<br/> NP21102: 1 x DB25 (male)<br/> NP21103: 1 x DB25 (male) </p>              |
| Device-side Connector | <p> CBL-F40M25x4-50: 4 x DB 25 (male)<br/> CBL-F9DPF1x4-BK-100: 1 x DP (female)<br/> CBL-F9M9-150: 1 x DB9 (male)<br/> CBL-F9M9-20: 1 x DB9 (male)<br/> CBL-M25M9x2-50: 2 x DB9 (male)<br/> CBL-M37M25x4-30: 4 x DB25 (male)<br/> CBL-M44M25x4-50: 4 x DB25 (male)<br/> CBL-M44M9x4-50: 4 x DB9 (male)<br/> CBL-M44M9x4-50 (POS): 4 x DB9 (male)<br/> CBL-M62M25x8-100: 8 x DB25 (male)<br/> CBL-M62M9x8-100: 8 x DB9 (male)<br/> CBL-M68M25x8-100: 8 x DB25 (male)<br/> CBL-M68M9x8-100: 8 x DB9 (male)<br/> CBL-M78M25x8-100: 8 x DB25 (male)<br/> CBL-M78M9x8-100: 8 x DB9 (male)<br/> CBL-RJ458P-100: 1 x 8-pin RJ45<br/> CBL-RJ458P-Cisco-BK-180: 1 x 8-pin RJ45<br/> CBL-RJ45F25-150: 1 x DB25 (female)<br/> CBL-RJ45F9-150: 1 x DB9 (female)<br/> CBL-RJ45M25-150: 1 x DB25 (male)<br/> CBL-RJ45M9-150: 1 x DB9 (male)<br/> CBL-RJ45SF25-150: 1 x DB25 (female)<br/> CBL-RJ45SF9-150: 1 x DB9 (female)<br/> CBL-RJ45SM25-150: 1 x DB25 (female)<br/> CBL-RJ45SM9-150: 1 x DB9 (male)<br/> CN20030: 1 x DB25 (female)<br/> CN20040: 1 x DB25 (male)<br/> CN20060: 1 x DB9 (male)<br/> CN20070: 1 x DB9 (female)<br/> NP21101: 1 x DB9 (female)<br/> NP21102: 1 x DB9 (male)<br/> NP21103: 1 x Terminal block </p> |

## Physical Characteristics

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable Length | CBL-F40M25x4-50: 50 cm (19.69 in)<br>CBL-F9DPF1x4-BK-100: 100 cm (3.3 ft)<br>CBL-F9M9-150: 150 cm (4.9 ft)<br>CBL-F9M9-20: 20 cm (7.87 in)<br>CBL-M25M9x2-50: 50 cm (19.69 in)<br>CBL-M37M25x4-30: 30 cm (11.81 in)<br>CBL-M44M25x4-50: 50 cm (19.69 in)<br>CBL-M44M9x4-50: 50 cm (19.69 in)<br>CBL-M44M9x4-50 (POS): 50 cm (19.69 in)<br>CBL-M62M25x8-100: 100 cm (3.3 ft)<br>CBL-M62M9x8-100: 100 cm (3.3 ft)<br>CBL-M68M25x8-100: 100 cm (3.3 ft)<br>CBL-M68M9x8-100: 100 cm (3.3 ft)<br>CBL-M78M25x8-100: 100 cm (3.3 ft)<br>CBL-M78M9x8-100: 100 cm (3.3 ft)<br>CBL-RJ458P-100: 100 cm (3.3 ft)<br>CBL-RJ458P-Cisco-BK-180: 180 cm (5.91 ft)<br>CBL-RJ45F25-150: 150 cm (4.9 ft)<br>CBL-RJ45F9-150: 150 cm (4.9 ft)<br>CBL-RJ45M25-150: 150 cm (4.9 ft)<br>CBL-RJ45M9-150: 150 cm (4.9 ft)<br>CBL-RJ45SF25-150: 150 cm (4.9 ft)<br>CBL-RJ45SF9-150: 150 cm (4.9 ft)<br>CBL-RJ45SM25-150: 150 cm (4.9 ft)<br>CBL-RJ45SM9-150: 150 cm (4.9 ft)<br>CN20030: 150 cm (4.9 ft)<br>CN20040: 150 cm (4.9 ft)<br>CN20060: 150 cm (4.9 ft)<br>CN20070: 150 cm (4.9 ft)<br>NP21101: 30 cm (11.81 in)<br>NP21102: 30 cm (11.81 in)<br>NP21103: N/A |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Ordering Information

| Model Name              | Board-side Connectors | Device-side Connectors | Cable Length     |
|-------------------------|-----------------------|------------------------|------------------|
| CBL-F40M25x4-50         | 1 X DB40 (female)     | 4 x DB 25 (male)       | 50 cm (19.69 in) |
| CBL-F9DPF1x4-BK-100     | 1 x DB9 (female)      | 1 x DP (female)        | 100 cm (3.3 ft)  |
| CBL-F9M9-150            | 1 x DB9 (female)      | 1 x DB9 (male)         | 150 cm (4.9 ft)  |
| CBL-F9M9-20             | 1 x DB9 (female)      | 1 x DB9 (male)         | 20 cm (7.87 in)  |
| CBL-M25M9x2-50          | 1 x DB25 (male)       | 2 x DB9 (male)         | 50 cm (19.69 in) |
| CBL-M37M25x4-30         | 1 x DB37 (male)       | 4 x DB25 (male)        | 30 cm (11.81 in) |
| CBL-M44M25x4-50         | 1 x DB44 (male)       | 4 x DB25 (male)        | 50 cm (19.69 in) |
| CBL-M44M9x4-50          | 1 x DB44 (male)       | 4 x DB9 (male)         | 50 cm (19.69 in) |
| CBL-M44M9x4-50 (POS)    | 1 x DB44 (male)       | 4 x DB9 (male)         | 50 cm (19.69 in) |
| CBL-M62M25x8-100        | 1 x DB62 (male)       | 8 x DB25 (male)        | 100 cm (3.3 ft)  |
| CBL-M62M9x8-100         | 1 x DB62 (male)       | 8 x DB9 (male)         | 100 cm (3.3 ft)  |
| CBL-M68M25x8-100        | 1 x VHDCI 68          | 8 x DB25 (male)        | 100 cm (3.3 ft)  |
| CBL-M68M9x8-100         | 1 x VHDCI 68          | 8 x DB9 (male)         | 100 cm (3.3 ft)  |
| CBL-M78M25x8-100        | 1 x DB78 (male)       | 8 x DB25 (male)        | 100 cm (3.3 ft)  |
| CBL-M78M9x8-100         | 1 x DB78 (male)       | 8 x DB9 (male)         | 100 cm (3.3 ft)  |
| CBL-RJ458P-100          | 1 x 8-pin RJ45        | 1 x 8-pin RJ45         | 100 cm (3.3 ft)  |
| CBL-RJ458P-Cisco-BK-180 | 1 x 8-pin RJ45        | 1 x 8-pin RJ45         | 180 cm (5.9 ft)  |
| CBL-RJ45F25-150         | 1 x 8-pin RJ45        | 1 x DB25 (female)      | 150 cm (4.9 ft)  |

| Model Name       | Board-side Connectors | Device-side Connectors | Cable Length     |
|------------------|-----------------------|------------------------|------------------|
| CBL-RJ45F9-150   | 1 x 8-pin RJ45        | 1 x DB9 (female)       | 150 cm (4.9 ft)  |
| CBL-RJ45M25-150  | 1 x 8-pin RJ45        | 1 x DB25 (male)        | 150 cm (4.9 ft)  |
| CBL-RJ45M9-150   | 1 x 8-pin RJ45        | 1 x DB9 (male)         | 150 cm (4.9 ft)  |
| CBL-RJ45SF25-150 | 1 x 8-pin RJ45        | 1 x DB25 (female)      | 150 cm (4.9 ft)  |
| CBL-RJ45SF9-150  | 1 x 8-pin RJ45        | 1 x DB9 (female)       | 150 cm (4.9 ft)  |
| CBL-RJ45SM25-150 | 1 x 8-pin RJ45        | 1 x DB25 (female)      | 150 cm (4.9 ft)  |
| CBL-RJ45SM9-150  | 1 x 8-pin RJ45        | 1 x DB9 (male)         | 150 cm (4.9 ft)  |
| CN20030          | 1 x 10-pin RJ45       | 1 x DB25 (female)      | 150 cm (4.9 ft)  |
| CN20040          | 1 x 10-pin RJ45       | 1 x DB25 (male)        | 150 cm (4.9 ft)  |
| CN20060          | 1 x 10-pin RJ45       | 1 x DB9 (male)         | 150 cm (4.9 ft)  |
| CN20070          | 1 x 10-pin RJ45       | 1 x DB9 (female)       | 150 cm (4.9 ft)  |
| NP21101          | 1 x DB25 (male)       | 1 x DB9 (female)       | 30 cm (11.81 in) |
| NP21102          | 1 x DB25 (male)       | 1 x DB9 (male)         | 30 cm (11.81 in) |
| NP21103          | 1 x DB25 (male)       | 1 x Terminal block     | –                |

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