

## Connector Group - L

## Straight

**MIL Part Number**  
**M85049 / 18 11 W 03 A**

MIL Series ———

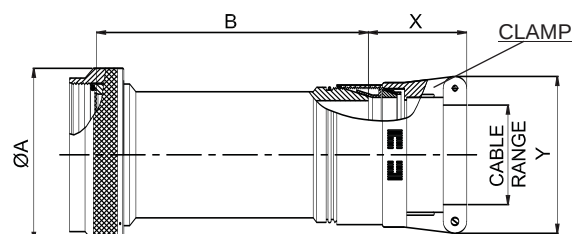
Slash sheet ———  
 18: Straight, spin coupling

Shell size: ———  
 See Table-A

Length: ———  
 See Table-A  
 Omit for 'STD'

Clamp size: ———  
 See Table-A

Finish: ———  
 See Table-2



**NOTE: \* For more cable entry and length options, contact factory**

| TABLE - A                     |               |        |                                           |             |       |      |       |              |       |         |       |         |       |         |       |
|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|
| MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | X (MAX) |       | Y (MAX) |       |
| CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                               |               |        |                                           | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |
| 9                             | 01            | STD.   | 09 / A                                    | 0.06        | 1.57  | 0.13 | 3.18  | 0.75         | 19.05 | 1.53    | 38.86 | 1.25    | 31.75 | 0.80    | 20.32 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 02            | STD.   |                                           | 0.13        | 3.18  | 0.25 | 6.35  |              |       | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
| 11                            | 01            | STD.   | 11 / B                                    | 0.06        | 1.57  | 0.13 | 3.18  | 0.85         | 21.59 | 1.53    | 38.86 | 1.25    | 31.75 | 0.80    | 20.32 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 02            | STD.   |                                           | 0.13        | 3.18  | 0.25 | 6.35  |              |       | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 03            | STD.   |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       | 1.53    | 38.86 | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
| 13                            | 02            | STD.   | 13 / C                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.00         | 25.40 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 03            | STD.   |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       | 1.53    | 38.86 | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 04            | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86 | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
| 15                            | 02            | STD.   | 15 / D                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.15         | 29.21 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               | 03            | A      |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       | 2.53    | 64.26 | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 04            | A      |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 3.53    | 89.66 | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | B      |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               |               | A      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
| 05                            | A             | 0.50   | 12.70                                     | 0.63        | 15.88 | 1.53 | 38.86 | 1.31         | 33.27 | 1.25    | 31.75 |         |       |         |       |
|                               | B             |        |                                           |             |       | 2.53 | 64.26 |              |       |         |       |         |       |         |       |
|                               | STD.          |        |                                           |             |       | 3.53 | 89.66 |              |       |         |       |         |       |         |       |
|                               | A             |        |                                           |             |       | 1.53 | 38.86 |              |       |         |       |         |       |         |       |
| 17                            | 02            | STD.   | 17 / E                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.25         | 31.75 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               | 03            | A      |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       | 2.53    | 64.26 | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               | 04            | A      |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 3.53    | 89.66 | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | B      |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               |               | A      |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               | 05            | A      |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86 | 1.31    | 33.27 | 1.25    | 31.75 |
|                               |               | B      |                                           |             |       |      |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                               |               | STD.   |                                           |             |       |      |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                               |               | A      |                                           |             |       |      |       |              |       | 1.53    | 38.86 |         |       |         |       |
| 06                            | A             | 0.63   | 15.88                                     | 0.75        | 19.05 | 2.53 | 64.26 | 1.38         | 35.05 | 1.40    | 35.56 |         |       |         |       |
|                               | B             |        |                                           |             |       | 3.53 | 89.66 |              |       |         |       |         |       |         |       |
|                               | STD.          |        |                                           |             |       | 1.53 | 38.86 |              |       |         |       |         |       |         |       |
|                               | A             |        |                                           |             |       | 2.53 | 64.26 |              |       |         |       |         |       |         |       |

Table Continued

### Connector Group - L

### Straight

| TABLE - A                     |               |        |                                           |             |       |      |       |              |       |         |        |         |       |         |       |
|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|--------|---------|-------|---------|-------|
| MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |        | X (MAX) |       | Y (MAX) |       |
| CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                               |               |        |                                           | INCH        | MM    | INCH | MM    |              |       |         |        |         |       |         |       |
| 19                            | 03            | STD.   | 19 / F                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               | 04            | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               | 05            | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               | 06            | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
| 07                            | STD.          | 0.75   | 19.05                                     | 0.88        | 22.23 | 1.53 | 38.86 | 1.50         | 38.10 | 1.50    | 38.10  |         |       |         |       |
|                               | A             |        |                                           |             |       | 2.53 | 64.26 |              |       |         |        |         |       |         |       |
|                               | B             |        |                                           |             |       | 3.53 | 89.66 |              |       |         |        |         |       |         |       |
| 21                            | 03            | STD.   | 21 / G                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 04            | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 05            | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 06            | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 07            | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 08            | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
| 23                            | 03            | STD.   | 23 / H                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 04            | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 05            | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 06            | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 07            | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 08            | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 09            | STD.   |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |

Table Continued

## Connector Group - L

## Straight

| TABLE - A                     |               |        |                                           |             |       |      |       |              |       |         |        |         |       |         |       |
|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|--------|---------|-------|---------|-------|
| MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |        | X (MAX) |       | Y (MAX) |       |
| CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |       |              |       |         |        |         |       |         |       |
|                               |               |        |                                           | INCH        | MM    | INCH | MM    |              |       |         |        |         |       |         |       |
| 25                            | 4             | STD.   | 25 / J                                    | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 9             | STD.   |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                               | 10            | STD.   |                                           | 1.13        | 28.58 | 1.25 | 31.75 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.90    | 48.26 |
|                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |