

# EXT-II-SB/20276 LF

電子機器ロボット用ケーブル Electronic equipment robot cable

可動部用ケーブル

➤ 構造表 Construction table

| 対数<br>No. of pairs | 導体<br>Conductor      |                              |                                | 滑性耐熱ビニル絶縁体<br>Low friction, heat resistant PVC insulation |                                | 滑性耐油耐熱難燃柔軟性ビニルシース<br>Low friction, oil heat resistant flexible PVC sheath |   | 概算質量<br>Approx. weight<br>(kg/km) | 電気特性<br>Electrical Characteristics        |  |   | 許容電流<br>Allowable ampacity<br>(A) |      |
|--------------------|----------------------|------------------------------|--------------------------------|---|--------------------------------|---|---|-----------------------------------|---|--|---|-----------------------------------|------|
|                    | サイズ<br>Size<br>(AWG) | 構成<br>Construction<br>(本/mm) | 外径<br>Outside diameter<br>(mm) | 厚さ<br>Thickness<br>(mm)                                   | 外径<br>Outside diameter<br>(mm) | 厚さ<br>Thickness<br>(mm)   | 外径<br>Overall diameter<br>約approx. (mm) |                                   | 導体抵抗<br>Conductor resistance<br>(Ω/km20℃) | 絶縁抵抗<br>Insulation resistance<br>(MΩkm20℃) | 耐電圧<br>Electrical strength<br>(V/1min.) |                                   |      |
| 1P                 |                      |                              |                                |   |                                | 0.65  | 3.6                                     | 18                                |   |  |   | 2.6                               |      |
| 2P                 |                      |                              |                                |   |                                | 0.65  | 4.5                                     | 28                                |   |  |   | 2.0                               |      |
| 3P                 |                      |                              |                                |   |                                | 0.65  | 5.0                                     | 34                                |   |  |   | 1.8                               |      |
| 4P                 |                      |                              |                                |   |                                | 0.65  | 5.3                                     | 38                                |   |  |   | 1.6                               |      |
| 5P                 | 28<br>(0.0804mm)     | 19/0.08                      | 0.4                            | 0.23  | 0.86                           | 0.65  | 5.7                                     | 44                                | 235以下                                     | 10以上                                       | 500                                     | 1.5                               |      |
| 6P                 |                      |                              |                                |   |                                | 0.65  | 6.2                                     | 50                                |   |  |   |                                   | 1.4  |
| 7P                 |                      |                              |                                |   |                                | 0.65  | 6.6                                     | 60                                |   |  |   |                                   | 1.3  |
| 8P                 |                      |                              |                                |   |                                | 0.65  | 7.0                                     | 65                                |   |  |   |                                   | 1.3  |
| 10P                |                      |                              |                                |   |                                | 0.85  | 8.3                                     | 85                                |   |  |   |                                   | 1.2  |
| 12P                |                      |                              |                                |   |                                | 0.85  | 9.3                                     | 110                               |   |  |   |                                   | 1.2  |
| 1P                 |                      |                              |                                |   |                                |   |   |                                   |   |  |   |                                   |      |
| 2P                 |                      |                              |                                |   |                                | 0.9   | 5.5                                     | 41                                |   |  |   | 2.2                               |      |
| 3P                 |                      |                              |                                |   |                                | 1.0   | 6.3                                     | 50                                |   |  |   | 1.9                               |      |
| 4P                 |                      |                              |                                |   |                                | 1.0   | 6.7                                     | 55                                |   |  |   | 1.7                               |      |
| 5P                 |                      |                              |                                |   |                                | 1.0   | 7.2                                     | 65                                |   |  |   | 1.6                               |      |
| 6P                 |                      |                              |                                |   |                                | 1.0   | 7.7                                     | 75                                |   |  |   | 1.5                               |      |
| 7P                 | 26<br>(0.128mm)      | 30/0.08                      | 0.51                           | 0.23  | 0.97                           | 1.0   | 8.2                                     | 85                                | 143以下                                     | 10以上                                       | 500                                     | 1.4                               |      |
| 8P                 |                      |                              |                                |   |                                | 1.1   | 8.9                                     | 105                               |   |  |   |                                   | 1.4  |
| 10P                |                      |                              |                                |   |                                | 1.1   | 9.0                                     | 110                               |   |  |   |                                   | 1.2  |
| 12P                |                      |                              |                                |   |                                | 1.1   | 9.9                                     | 125                               |   |  |   |                                   | 1.2  |
| 15P                |                      |                              |                                |   |                                | 1.1   | 10.8                                    | 150                               |   |  |   |                                   | 1.1  |
| 20P                |                      |                              |                                |   |                                | 1.2   | 12.0                                    | 195                               |   |  |   |                                   | 1.0  |
| 25P                |                      |                              |                                |   |                                | 1.2   | 13.6                                    | 230                               |   |  |   |                                   | 0.98 |
| 1P                 |                      |                              |                                |   |                                | 0.9   | 4.9                                     | 33                                |   |  |   | 4.5                               |      |
| 2P                 |                      |                              |                                |   |                                | 1.0   | 6.4                                     | 55                                |   |  |   | 3.6                               |      |
| 3P                 |                      |                              |                                |   |                                | 1.0   | 7.1                                     | 65                                |   |  |   | 3.1                               |      |
| 4P                 |                      |                              |                                |   |                                | 1.0   | 7.7                                     | 80                                |   |  |   | 2.8                               |      |
| 5P                 |                      |                              |                                |   |                                | 1.1   | 8.5                                     | 90                                |   |  |   | 2.6                               |      |
| 6P                 |                      |                              |                                |   |                                | 1.1   | 9.1                                     | 105                               |   |  |   | 2.4                               |      |
| 7P                 | 24<br>(0.204mm)      | 48/0.08                      | 0.75                           | 0.23  | 1.21                           | 1.1   | 9.7                                     | 120                               | 102.7以下                                   | 10以上                                       | 500                                     | 2.3                               |      |
| 8P                 |                      |                              |                                |   |                                | 1.1   | 10.5                                    | 140                               |   |  |   |                                   | 2.3  |
| 10P                |                      |                              |                                |   |                                | 1.1   | 10.5                                    | 150                               |   |  |   |                                   | 2.0  |
| 12P                |                      |                              |                                |   |                                | 1.2   | 11.8                                    | 175                               |   |  |   |                                   | 1.9  |
| 15P                |                      |                              |                                |   |                                | 1.2   | 12.9                                    | 210                               |   |  |   |                                   | 1.8  |
| 20P                |                      |                              |                                |   |                                | 1.3   | 14.4                                    | 275                               |   |  |   |                                   | 1.6  |
| 25P                |                      |                              |                                |   |                                | 1.4   | 16.4                                    | 335                               |   |  |   |                                   | 1.5  |
| 1P                 |                      |                              |                                |   |                                | 0.9   | 5.2                                     | 38                                |   |  |   | 5.8                               |      |
| 2P                 |                      |                              |                                |   |                                | 1.0   | 6.8                                     | 65                                |   |  |   | 4.6                               |      |
| 3P                 |                      |                              |                                |   |                                | 1.0   | 7.6                                     | 80                                |   |  |   | 4.0                               |      |
| 4P                 |                      |                              |                                |   |                                | 1.0   | 8.2                                     | 95                                |   |  |   | 3.6                               |      |
| 5P                 |                      |                              |                                |   |                                | 1.1   | 9.1                                     | 115                               |   |  |   | 3.4                               |      |
| 6P                 |                      |                              |                                |   |                                | 1.1   | 9.9                                     | 135                               |   |  |   | 3.2                               |      |
| 7P                 | 22<br>(0.324mm)      | 72/0.08                      | 0.90                           | 0.23  | 1.36                           | 1.1   | 10.6                                    | 150                               | 65.3以下                                    | 10以上                                       | 500                                     | 3.0                               |      |
| 8P                 |                      |                              |                                |   |                                | 1.2   | 11.5                                    | 175                               |   |  |   |                                   | 2.9  |
| 10P                |                      |                              |                                |   |                                | 1.2   | 11.6                                    | 190                               |   |  |   |                                   | 2.7  |
| 12P                |                      |                              |                                |   |                                | 1.2   | 12.7                                    | 220                               |   |  |   |                                   | 2.5  |
| 15P                |                      |                              |                                |   |                                | 1.3   | 14.3                                    | 280                               |   |  |   |                                   | 2.4  |
| 20P                |                      |                              |                                |   |                                | 1.4   | 15.9                                    | 355                               |   |  |   |                                   | 2.1  |
| 25P                |                      |                              |                                |   |                                | 1.4   | 17.8                                    | 430                               |   |  |   |                                   | 2.0  |
| 1P                 |                      |                              |                                |   |                                | 1.0   | 5.9                                     | 50                                |   |  |   | 7.7                               |      |
| 2P                 |                      |                              |                                |   |                                | 1.0   | 7.6                                     | 85                                |   |  |   | 6.2                               |      |
| 3P                 |                      |                              |                                |   |                                | 1.1   | 8.7                                     | 110                               |   |  |   | 5.3                               |      |
| 4P                 |                      |                              |                                |   |                                | 1.1   | 9.4                                     | 130                               |   |  |   | 4.8                               |      |
| 5P                 |                      |                              |                                |   |                                | 1.1   | 10.3                                    | 160                               |   |  |   | 4.5                               |      |
| 6P                 | 20<br>(0.518mm)      | 119/0.08                     | 1.1                            | 0.25  | 1.60                           | 1.2   | 11.3                                    | 180                               | 41.1以下                                    | 10以上                                       | 500                                     | 4.2                               |      |
| 8P                 |                      |                              |                                |   |                                | 1.2   | 13.0                                    | 235                               |   |  |   |                                   | 3.9  |
| 10P                |                      |                              |                                |   |                                | 1.2   | 13.2                                    | 270                               |   |  |   |                                   | 3.5  |
| 15P                |                      |                              |                                |   |                                | 1.4   | 16.4                                    | 400                               |   |  |   |                                   | 3.1  |
| 20P                |                      |                              |                                |   |                                | 1.4   | 18.1                                    | 495                               |   |  |   |                                   | 2.8  |
| 25P                |                      |                              |                                |   |                                | 1.5   | 20.6                                    | 615                               |   |  |   |                                   | 2.6  |

※上記UL、CSA規格の耐電圧試験の他に500V/5分間の試験に適合しています。  
 ※The test of 500V/5 minutes besides the withstand voltage test on above mentioned UL standard and CSA standard is applied.

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