



## IEEE 1580 TYPE TP(IS)LSETPO SIGNAL CABLES

### Multi-Shielded Pair, 20 AWG (19.0073)BC, 300V

LSZH EPR (LSE) Insulation, .0015"Al/Poly Pair Shield w/#22(7/.010)TC Drain, LSZH Thermoplastic Polyolefin (TPO) Jacket, armored & unarmored

| Cable Type        | Number of Pairs | Insulation Thickness (in) | Jacket Thickness (in) | Cable Diameter (nominal) (in) | Cable Weight (approx.) (lbs/mft) | Armored Cable Diameter (nom) (in) | Aluminum Arm. Cable Weight (lbs/mft) | Bronze Arm. Cable Weight (lbs/mft) |
|-------------------|-----------------|---------------------------|-----------------------|-------------------------------|----------------------------------|-----------------------------------|--------------------------------------|------------------------------------|
| TP20(IS)LSETPO-1  | 1               | 0.025                     | 0.045                 | 0.281                         | 43                               | 0.344                             | 58                                   | 93                                 |
| TP20(IS)LSETPO-2  | 2               | 0.025                     | 0.045                 | 0.418                         | 79                               | 0.481                             | 101                                  | 153                                |
| TP20(IS)LSETPO-3  | 3               | 0.025                     | 0.045                 | 0.444                         | 97                               | 0.507                             | 120                                  | 173                                |
| TP20(IS)LSETPO-4  | 4               | 0.025                     | 0.045                 | 0.485                         | 121                              | 0.548                             | 146                                  | 205                                |
| TP20(IS)LSETPO-5  | 5               | 0.025                     | 0.060                 | 0.563                         | 169                              | 0.626                             | 198                                  | 264                                |
| TP20(IS)LSETPO-7  | 7               | 0.025                     | 0.060                 | 0.609                         | 207                              | 0.672                             | 237                                  | 307                                |
| TP20(IS)LSETPO-10 | 10              | 0.025                     | 0.060                 | 0.759                         | 294                              | 0.822                             | 332                                  | 422                                |
| TP20(IS)LSETPO-15 | 15              | 0.025                     | 0.080                 | 0.9                           | 421                              | 0.963                             | 466                                  | 571                                |
| TP20(IS)LSETPO-20 | 20              | 0.025                     | 0.080                 | 1.003                         | 534                              | 1.066                             | 583                                  | 697                                |

Note: For aluminum armored versions, add an A to the cable type (ex. TP20(IS)LSETPOA-7). For bronze armored versions, add a B to the cable type (ex. TP20(IS)LSETPOB-7)

### Multi-Shielded Pair, 18 AWG (19.010)BC, 300V

LSZH EPR (LSE) Insulation, .0015"Al/Poly Pair Shield w/#22(7/.010)TC Drain, LSZH Thermoplastic Polyolefin (TPO) Jacket, armored & unarmored

| Cable Type        | Number of Pairs | Insulation Thickness (in) | Jacket Thickness (in) | Cable Diameter (nominal) (in) | Cable Weight (approx.) (lbs/mft) | Armored Cable Diameter (nom) (in) | Aluminum Arm. Cable Weight (lbs/mft) | Bronze Arm. Cable Weight (lbs/mft) |
|-------------------|-----------------|---------------------------|-----------------------|-------------------------------|----------------------------------|-----------------------------------|--------------------------------------|------------------------------------|
| TP18(IS)LSETPO-1  | 1               | 0.025                     | 0.045                 | 0.305                         | 57                               | 0.368                             | 73                                   | 111                                |
| TP18(IS)LSETPO-2  | 2               | 0.025                     | 0.045                 | 0.459                         | 100                              | 0.522                             | 125                                  | 182                                |
| TP18(IS)LSETPO-3  | 3               | 0.025                     | 0.045                 | 0.488                         | 125                              | 0.551                             | 150                                  | 210                                |
| TP18(IS)LSETPO-4  | 4               | 0.025                     | 0.06                  | 0.567                         | 172                              | 0.63                              | 201                                  | 267                                |
| TP18(IS)LSETPO-5  | 5               | 0.025                     | 0.060                 | 0.619                         | 205                              | 0.682                             | 235                                  | 306                                |
| TP18(IS)LSETPO-7  | 7               | 0.025                     | 0.060                 | 0.672                         | 264                              | 0.735                             | 298                                  | 378                                |
| TP18(IS)LSETPO-10 | 10              | 0.025                     | 0.080                 | 0.882                         | 421                              | 0.945                             | 466                                  | 569                                |
| TP18(IS)LSETPO-15 | 15              | 0.025                     | 0.080                 | 0.998                         | 536                              | 1.061                             | 585                                  | 698                                |
| TP18(IS)LSETPO-20 | 20              | 0.025                     | 0.080                 | 1.112                         | 706                              | 1.175                             | 762                                  | 892                                |

Note: For aluminum armored versions, add an A to the cable type (ex. TP18(IS)LSETPOA-7). For bronze armored versions, add a B to the cable type (ex. TP18(IS)LSETPOB-7)

### Multi-Shielded Pair, 16 AWG (19.0117)BC, 300V

LSZH EPR (LSE) Insulation, .0015"Al/Poly Pair Shield w/#20(7/.0121)TC Drain, LSZH Thermoplastic Polyolefin (TPO) Jacket, armored & unarmored

| Cable Type        | Number of Pairs | Insulation Thickness (in) | Jacket Thickness (in) | Cable Diameter (nominal) (in) | Cable Weight (approx.) (lbs/mft) | Armored Cable Diameter (nom) (in) | Aluminum Arm. Cable Weight (lbs/mft) | Bronze Arm. Cable Weight (lbs/mft) |
|-------------------|-----------------|---------------------------|-----------------------|-------------------------------|----------------------------------|-----------------------------------|--------------------------------------|------------------------------------|
| TP16(IS)LSETPO-1  | 1               | 0.025                     | 0.045                 | 0.324                         | 68                               | 0.387                             | 85                                   | 124                                |
| TP16(IS)LSETPO-2  | 2               | 0.025                     | 0.045                 | 0.492                         | 119                              | 0.555                             | 146                                  | 205                                |
| TP16(IS)LSETPO-3  | 3               | 0.025                     | 0.06                  | 0.554                         | 168                              | 0.617                             | 196                                  | 262                                |
| TP16(IS)LSETPO-4  | 4               | 0.025                     | 0.06                  | 0.606                         | 209                              | 0.669                             | 240                                  | 309                                |
| TP16(IS)LSETPO-5  | 5               | 0.025                     | 0.060                 | 0.664                         | 252                              | 0.727                             | 286                                  | 366                                |
| TP16(IS)LSETPO-7  | 7               | 0.025                     | 0.060                 | 0.721                         | 330                              | 0.784                             | 367                                  | 449                                |
| TP16(IS)LSETPO-10 | 10              | 0.025                     | 0.080                 | 0.948                         | 511                              | 1.011                             | 559                                  | 668                                |
| TP16(IS)LSETPO-15 | 15              | 0.025                     | 0.080                 | 1.07                          | 680                              | 1.133                             | 735                                  | 862                                |
| TP16(IS)LSETPO-20 | 20              | 0.025                     | 0.080                 | 1.194                         | 869                              | 1.257                             | 931                                  | 1069                               |

Note: For aluminum armored versions, add an A to the cable type (ex. TP16(IS)LSETPOA-7). For bronze armored versions, add a B to the cable type (ex. TP16(IS)LSETPOB-7)

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