

Control for Propulsion Systems

300/500V, 180°C

| De- scription | Part No. | No. of Cond. (CDR) | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Conductor OD | | Shielding Material Nom. DCR | Nominal OD | | Application |
|------------------|-------------|--------------------------|---------------------|---|-------------------------|----|--|-------------------------|----------------------------|-----------------------------------|------------|----|-------------|
| | | | ft. | m | lbs. | kg | | AWG | Section mm ² | | inch | mm | |

180°C • 18 - 8 AWG • Stranded Tinned Copper • FEP Inner Sheath • Galvanized Steel Wire Braid**PTFE Insulation • Overall Clear FEP Jacket**

GL 7334077 HH

Unshielded

In industrial areas with high temperature and increased mechanical stress, e.g.

- Shipbuilding industry
- Motor and turbine engineering
- Mechanical engineering



Steel Wire Braid

| | | | | | | | | | | |
|---------|----|------|------|--------|-------|--------------|----|------|-------|-------|
| SHO0001 | 2 | 3280 | 1000 | 156.5 | 71.0 | (24x0.20) TC | 18 | 0.75 | 0.284 | 6.30 |
| SHO0002 | 3 | 3280 | 1000 | 194.0 | 88.0 | (24x0.20) TC | 18 | 0.75 | 0.260 | 6.60 |
| SHO0003 | 5 | 3280 | 1000 | 291.0 | 132.0 | (24x0.20) TC | 18 | 0.75 | 0.287 | 7.30 |
| SHO0004 | 2 | 3280 | 1000 | 191.8 | 87.0 | (32x0.20) TC | 17 | 1.00 | 0.256 | 6.50 |
| SHO0005 | 3 | 3280 | 1000 | 262.3 | 119.0 | (32x0.20) TC | 17 | 1.00 | 0.268 | 6.80 |
| SHO0006 | 4 | 3280 | 1000 | 286.6 | 130.0 | (32x0.20) TC | 17 | 1.00 | 0.287 | 7.30 |
| SHO0007 | 2 | 3280 | 1000 | 218.3 | 99.0 | (30x0.25) TC | 16 | 1.50 | 0.280 | 7.10 |
| SHO0008 | 3 | 3280 | 1000 | 269.0 | 122.0 | (30x0.25) TC | 16 | 1.50 | 0.291 | 7.40 |
| SHO0009 | 4 | 3280 | 1000 | 310.8 | 141.0 | (30x0.25) TC | 16 | 1.50 | 0.315 | 8.00 |
| SHO0010 | 5 | 3280 | 1000 | 379.2 | 172.0 | (30x0.25) TC | 16 | 1.50 | 0.339 | 8.60 |
| SHO0011 | 7 | 3280 | 1000 | 474.0 | 215.0 | (30x0.25) TC | 16 | 1.50 | 0.366 | 9.30 |
| SHO0012 | 12 | 3280 | 1000 | 868.6 | 394.0 | (30x0.25) TC | 16 | 1.50 | 0.465 | 11.80 |
| SHO0013 | 2 | 3280 | 1000 | 328.5 | 149.0 | (50x0.25) TC | 14 | 2.50 | 0.327 | 8.30 |
| SHO0014 | 3 | 3280 | 1000 | 432.1 | 196.0 | (50x0.25) TC | 14 | 2.50 | 0.343 | 8.70 |
| SHO0015 | 4 | 3280 | 1000 | 540.1 | 245.0 | (50x0.25) TC | 14 | 2.50 | 0.370 | 9.40 |
| SHO0016 | 5 | 3280 | 1000 | 665.8 | 302.0 | (50x0.25) TC | 14 | 2.50 | 0.406 | 10.30 |
| SHO0017 | 7 | 3280 | 1000 | 806.9 | 366.0 | (50x0.25) TC | 14 | 2.50 | 0.437 | 11.10 |
| SHO0018 | 2 | 3280 | 1000 | 487.2 | 221.0 | (56x0.30) TC | 12 | 4 | 0.394 | 10.00 |
| SHO0019 | 3 | 3280 | 1000 | 634.9 | 288.0 | (56x0.30) TC | 12 | 4 | 0.413 | 10.50 |
| SHO0020 | 4 | 3280 | 1000 | 787.0 | 357.0 | (56x0.30) TC | 12 | 4 | 0.449 | 11.40 |
| SHO0021 | 5 | 3280 | 1000 | 1018.5 | 462.0 | (56x0.30) TC | 12 | 4 | 0.488 | 12.40 |
| SHO0022 | 2 | 3280 | 1000 | 608.5 | 276.0 | (84x0.30) TC | 10 | 6 | 0.492 | 12.50 |
| SHO0023 | 3 | 3280 | 1000 | 840.0 | 381.0 | (84x0.30) TC | 10 | 6 | 0.520 | 13.20 |
| SHO0024 | 4 | 3280 | 1000 | 1036.2 | 470.0 | (84x0.30) TC | 10 | 6 | 0.563 | 14.30 |
| SHO0025 | 2 | 3280 | 1000 | 877.4 | 398.0 | (80x0.40) TC | 8 | 10 | 0.602 | 15.30 |
| SHO0026 | 3 | 3280 | 1000 | 1212.5 | 550.0 | (80x0.40) TC | 8 | 10 | 0.638 | 16.20 |
| SHO0027 | 4 | 3280 | 1000 | 1538.8 | 698.0 | (80x0.40) TC | 8 | 10 | 0.697 | 17.70 |

TC = Tinned Copper • DCR = DC resistance

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300/500V, 180°C

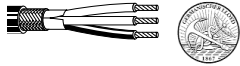
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|------------------|-------------|--------------------------|---------------------|---|-------------------------|----|--|-------------------------|----------------------------|-----------------------------------|------------|----|-------------|
| | | | ft. | m | lbs. | kg | | AWG | Section mm ² | | inch | mm | |

180°C • 18 - 8 AWG • Stranded Tinned Copper • Impregnated Glass Fiber Yarn Inner Sheath • Galvanized Steel Wire Braid**PTFE Insulation**

GL 6371373 HH

Unshielded

In industrial areas with high temperature and increased mechanical stress, e.g.
 - Shipbuilding industry
 - Motor and turbine engineering
 - Mechanical engineering



Steel Wire Braid

| | | | | | | | | | | |
|---------|----|------|------|--------|-------|--------------|----|------|-------|-------|
| SHO0028 | 2 | 3280 | 1000 | 108.0 | 49.0 | (24x0.20) TC | 18 | 0.75 | 0.193 | 4.90 |
| SHO0029 | 3 | 3280 | 1000 | 152.1 | 69.0 | (24x0.20) TC | 18 | 0.75 | 0.201 | 5.10 |
| SHO0030 | 5 | 3280 | 1000 | 207.2 | 94.0 | (24x0.20) TC | 18 | 0.75 | 0.240 | 6.10 |
| SHO0031 | 2 | 3280 | 1000 | 134.5 | 61.0 | (32x0.20) TC | 17 | 1.00 | 0.205 | 5.20 |
| SHO0032 | 3 | 3280 | 1000 | 180.8 | 82.0 | (32x0.20) TC | 17 | 1.00 | 0.217 | 5.50 |
| SHO0033 | 4 | 3280 | 1000 | 207.2 | 94.0 | (32x0.20) TC | 17 | 1.00 | 0.236 | 6.00 |
| SHO0034 | 2 | 3280 | 1000 | 185.2 | 84.0 | (30x0.25) TC | 16 | 1.50 | 0.224 | 5.70 |
| SHO0035 | 3 | 3280 | 1000 | 220.5 | 100.0 | (30x0.25) TC | 16 | 1.50 | 0.240 | 6.10 |
| SHO0036 | 4 | 3280 | 1000 | 260.1 | 118.0 | (30x0.25) TC | 16 | 1.50 | 0.260 | 6.60 |
| SHO0037 | 5 | 3280 | 1000 | 313.1 | 142.0 | (30x0.25) TC | 16 | 1.50 | 0.287 | 7.30 |
| SHO0038 | 7 | 3280 | 1000 | 379.2 | 172.0 | (30x0.25) TC | 16 | 1.50 | 0.315 | 8.00 |
| SHO0039 | 12 | 3280 | 1000 | 612.9 | 278.0 | (30x0.25) TC | 16 | 1.50 | 0.413 | 10.50 |
| SHO0040 | 2 | 3280 | 1000 | 231.5 | 105.0 | (50x0.25) TC | 14 | 2.50 | 0.268 | 6.80 |
| SHO0041 | 3 | 3280 | 1000 | 308.6 | 140.0 | (50x0.25) TC | 14 | 2.50 | 0.283 | 7.20 |
| SHO0042 | 4 | 3280 | 1000 | 383.6 | 174.0 | (50x0.25) TC | 14 | 2.50 | 0.315 | 8.00 |
| SHO0043 | 5 | 3280 | 1000 | 471.8 | 214.0 | (50x0.25) TC | 14 | 2.50 | 0.343 | 8.70 |
| SHO0044 | 7 | 3280 | 1000 | 575.4 | 261.0 | (50x0.25) TC | 14 | 2.50 | 0.374 | 9.50 |
| SHO0045 | 2 | 3280 | 1000 | 348.3 | 158.0 | (56x0.30) TC | 12 | 4 | 0.327 | 8.30 |
| SHO0046 | 3 | 3280 | 1000 | 454.1 | 206.0 | (56x0.30) TC | 12 | 4 | 0.354 | 9.00 |
| SHO0047 | 4 | 3280 | 1000 | 562.2 | 255.0 | (56x0.30) TC | 12 | 4 | 0.390 | 9.90 |
| SHO0048 | 5 | 3280 | 1000 | 729.7 | 331.0 | (56x0.30) TC | 12 | 4 | 0.425 | 10.80 |
| SHO0049 | 2 | 3280 | 1000 | 436.5 | 198.0 | (84x0.30) TC | 10 | 6 | 0.382 | 9.70 |
| SHO0050 | 3 | 3280 | 1000 | 599.7 | 272.0 | (84x0.30) TC | 10 | 6 | 0.409 | 10.40 |
| SHO0051 | 4 | 3280 | 1000 | 740.7 | 336.0 | (84x0.30) TC | 10 | 6 | 0.461 | 11.70 |
| SHO0052 | 2 | 3280 | 1000 | 632.7 | 287.0 | (80x0.40) TC | 8 | 10 | 0.520 | 13.20 |
| SHO0053 | 3 | 3280 | 1000 | 868.6 | 394.0 | (80x0.40) TC | 8 | 10 | 0.555 | 14.10 |
| SHO0054 | 4 | 3280 | 1000 | 1106.7 | 502.0 | (80x0.40) TC | 8 | 10 | 0.614 | 15.60 |

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