SS Type Hydrophone Cable
rubber watertight shielded shipboard cable / 18, 16 & 14 AWG / multiconductor
MIL-DTL-915/8

Applications
Shielded Hydrophone MIL-SPEC cables were created specifically for military usage. Their watertight and flexible construction makes them ideal for underwater use in submerged hydrophone arrays and for other underwater instruments. Overall shielding resist electromagnetic interference (EMI). A jacket made from polychloroprene helps hold their low-temperature performance and flexibility.

Shielded hydrophone cables meet MIL-DTL-915/8 specifications. They pass the hydrostatic leakage test (open end, 500 psi for 2 hours), survive -40°C mandrel bend testing and have excellent termination molding characteristics.

Features
Watertight
Flexible at low temperatures
Excellent termination molding compatibility

Availability
Shielded hydrophone Type SS cables are available through Draka authorized distributors.

Construction
1. CONDUCTORS
   Seven-strand (Navy Strand) blocked tinned copper.
2. INSULATION
   600 volt synthetic rubber.
3. INNER BELTING
   Synthetic rubber.
4. SHIELD
   Tinned copper braid shield.
5. JACKET
   Extruded polychloroprene over synthetic rubber inner layer.
6. SURFACE MARKINGS
   As specified per MIL-DTL-915/8.

Ratings
MIL-DTL-915/8

General Data
Voltage withstand:
   conductor/conductor 3000 volts RMS
   conductor/shield 1000 volts RMS
   shield/water 500 volts RMS
Insulation resistance:
   conductor/conductor 500 megaohms - 1000 feet
   conductor/shield 500 megaohms - 1000 feet
   shield/water 250 megaohms - 1000 feet
Mutual capacitance maximum (DSS) 45 pf/foot
Passes hydrostatic leakage test (open end)
   500 psi/2 hours

www.drakausa.com
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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cable Type &amp; Size</th>
<th>Conductor Number</th>
<th>Conductor Size</th>
<th>Conductor Area (in²) (mm²)</th>
<th>Conductor Diameter (mm)</th>
<th>Max. Conductor Resistance (ohms/1000')</th>
<th>Cable O.D. min x max (in) (mm)</th>
<th>Minimum Bend Radius (in) (mm)</th>
<th>Cable Weight (Lbs/Mft) (Kg/Km)</th>
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</thead>
<tbody>
<tr>
<td>016270</td>
<td>DSS-2</td>
<td>2</td>
<td>18 AWG</td>
<td>1.779 (0.9)</td>
<td>0.048 (1.22)</td>
<td>6.64 (2.7)</td>
<td>370 (9.4) • 390 (9.9)</td>
<td>2.2 (56)</td>
<td>120 (179) • 70 (104)</td>
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<td>016271</td>
<td>DSS-3</td>
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<td>16 AWG</td>
<td>2.828 (1.4)</td>
<td>0.060 (1.52)</td>
<td>4.15 (1.7)</td>
<td>480 (12.2) • 500 (12.7)</td>
<td>2.9 (73)</td>
<td>160 (238) • 76 (113)</td>
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<td>009464</td>
<td>DSS-4</td>
<td>2</td>
<td>14 AWG</td>
<td>4.497 (2.3)</td>
<td>0.075 (1.93)</td>
<td>2.57 (1.0)</td>
<td>480 (12.2) • 500 (12.7)</td>
<td>2.9 (73)</td>
<td>180 (268) • 96 (143)</td>
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<td>6.64 (2.7)</td>
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<td>140 (283) • 87 (119)</td>
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<td>4.15 (1.7)</td>
<td>480 (12.2) • 500 (12.7)</td>
<td>2.3 (59)</td>
<td>180 (268) • 96 (143)</td>
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<tr>
<td>016275</td>
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<td>14 AWG</td>
<td>4.497 (2.3)</td>
<td>0.075 (1.93)</td>
<td>2.57 (1.0)</td>
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<td>6.64 (2.7)</td>
<td>480 (12.2) • 500 (12.7)</td>
<td>2.9 (73)</td>
<td>180 (268) • 96 (143)</td>
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<td>0.075 (1.93)</td>
<td>2.57 (1.0)</td>
<td>600 (15.2) • 625 (15.9)</td>
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<td>240 (357) • 110 (164)</td>
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<td>3.6 (91)</td>
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The data herein is approximate and subject to normal manufacturing tolerances. These military specifications are subject to change without notice.