Non-Environmental Backshell with Strain Relief
Standard Profile - Rotatable Coupling

CONNECTOR DESIGNATOR

G

ROTATABLE COUPLING

Product Series
Connector Designator
Angle and Profile
H = 45°
J = 90°
S = Straight
Basic Part No.

Length: S only
(1/2 inch increments: e.g. 6 = 3 inches)

Strain Relief Style
(H, A, M, F)

Cable Entry (Tables X, XI, XII)

Shell Size (Table I)

Finish (Table II)

STYLE 2
(STRAIGHT
See Note 1)

STYLE 2
(45° & 90°
See Note 1)

STYLE H
Heavy Duty
(Table X)

STYLE A
Medium Duty
(Table XI)

STYLE M
Medium Duty
(Table XI)

STYLE F
Light Duty
(Table XII)

Length ± .060 (1.52)
Min. Order Length 2.0 Inch
(See Note 4)

Length ± .060 (1.52)
Min. Order Length 1.5 Inch
(See Note 4)

Length ± .060 (1.52)
Min. Order Length 1.5 Inch
(See Note 4)

1.25 (31.8)
Max

.416 (10.5)
Max

Cable Range

Cable Range

Cable Range

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**TABLE III: DIMENSIONS**

<table>
<thead>
<tr>
<th>Shell Size</th>
<th>E Max</th>
<th>F Max</th>
<th>G Max</th>
<th>H Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>1.240 (31.5)</td>
<td>.920 (23.4)</td>
<td>1.380 (35.1)</td>
<td>1.060 (26.9)</td>
</tr>
<tr>
<td>13</td>
<td>1.260 (32.0)</td>
<td>.940 (23.9)</td>
<td>1.440 (36.6)</td>
<td>1.120 (28.4)</td>
</tr>
<tr>
<td>15</td>
<td>1.290 (32.8)</td>
<td>.970 (24.6)</td>
<td>1.500 (38.1)</td>
<td>1.190 (30.2)</td>
</tr>
<tr>
<td>17</td>
<td>1.310 (33.3)</td>
<td>.990 (25.1)</td>
<td>1.570 (39.9)</td>
<td>1.250 (31.8)</td>
</tr>
<tr>
<td>19</td>
<td>1.340 (34.0)</td>
<td>1.020 (25.9)</td>
<td>1.630 (41.4)</td>
<td>1.330 (33.8)</td>
</tr>
<tr>
<td>23</td>
<td>1.380 (35.1)</td>
<td>1.060 (26.9)</td>
<td>1.730 (43.9)</td>
<td>1.410 (35.8)</td>
</tr>
<tr>
<td>25</td>
<td>1.410 (35.8)</td>
<td>1.090 (27.7)</td>
<td>1.800 (45.7)</td>
<td>1.480 (37.6)</td>
</tr>
<tr>
<td>29</td>
<td>1.580 (40.1)</td>
<td>1.260 (32.0)</td>
<td>2.040 (51.8)</td>
<td>1.720 (43.7)</td>
</tr>
<tr>
<td>33</td>
<td>1.620 (41.1)</td>
<td>1.300 (33.0)</td>
<td>2.130 (54.1)</td>
<td>1.810 (46.0)</td>
</tr>
</tbody>
</table>

1. When maximum cable entry (pages 21) is exceeded, Style 2 will be supplied. Dimensions E, F, G and H will not apply. Please consult factory.

2. Metric dimensions (mm) are indicated in parentheses.

3. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

4. Consult factory for shorter lengths on straight backshells.

See inside back cover fold-out or pages 13 and 14 for unabridged Tables I and II.

**TABLE II: STANDARD FINISHES**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Cadmium Plate, Olive Drab</td>
</tr>
<tr>
<td>C</td>
<td>Anodize, Black</td>
</tr>
<tr>
<td>G</td>
<td>Hard Coat, Anodic</td>
</tr>
<tr>
<td>M</td>
<td>Electroless Nickel</td>
</tr>
<tr>
<td>NF</td>
<td>Cadmium Plate, Olive Drab</td>
</tr>
<tr>
<td></td>
<td>Over Electroless Nickel</td>
</tr>
</tbody>
</table>

See Inside Back Cover for Additional Finish Options.

**TABLE XI: CABLE ENTRY**

<table>
<thead>
<tr>
<th>Dash No.</th>
<th>T Max</th>
<th>V Max</th>
<th>Cable Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>.780 (19.8)</td>
<td>.957 (24.3)</td>
<td>.125 (3.2) .312 (7.9)</td>
</tr>
<tr>
<td>06</td>
<td>.780 (19.8)</td>
<td>1.145 (29.1)</td>
<td>.250 (6.4) .437 (11.1)</td>
</tr>
<tr>
<td>08</td>
<td>.780 (19.8)</td>
<td>1.332 (33.8)</td>
<td>.312 (7.9) .562 (14.3)</td>
</tr>
<tr>
<td>10</td>
<td>.780 (19.8)</td>
<td>1.332 (33.8)</td>
<td>.350 (8.9) .625 (15.9)</td>
</tr>
<tr>
<td>12</td>
<td>.811 (20.6)</td>
<td>1.551 (39.4)</td>
<td>.500 (12.7) .750 (19.1)</td>
</tr>
<tr>
<td>16</td>
<td>.905 (23.0)</td>
<td>1.770 (45.0)</td>
<td>.625 (15.9) .937 (23.8)</td>
</tr>
<tr>
<td>20</td>
<td>1.092 (27.7)</td>
<td>2.113 (53.7)</td>
<td>.875 (22.2) 1.250 (31.8)</td>
</tr>
<tr>
<td>24</td>
<td>1.124 (28.5)</td>
<td>2.363 (60.0)</td>
<td>1.000 (25.4) 1.375 (34.9)</td>
</tr>
<tr>
<td>28</td>
<td>1.399 (35.5)</td>
<td>2.770 (70.4)</td>
<td>1.250 (31.8) 1.625 (41.3)</td>
</tr>
<tr>
<td>32</td>
<td>1.399 (35.5)</td>
<td>3.020 (76.7)</td>
<td>1.437 (36.5) 1.875 (47.6)</td>
</tr>
</tbody>
</table>

**TABLE XII: CABLE ENTRY**

<table>
<thead>
<tr>
<th>Dash No.</th>
<th>Z Max</th>
<th>Cable Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>.968 (24.6)</td>
<td>.125 (3.2) .250 (6.4)</td>
</tr>
<tr>
<td>03</td>
<td>1.046 (26.6)</td>
<td>.250 (6.4) .375 (9.5)</td>
</tr>
<tr>
<td>04</td>
<td>1.156 (29.4)</td>
<td>.312 (7.9) .500 (12.7)</td>
</tr>
<tr>
<td>05</td>
<td>1.218 (30.9)</td>
<td>.437 (11.1) .625 (15.9)</td>
</tr>
<tr>
<td>06</td>
<td>1.343 (34.1)</td>
<td>.562 (14.3) .750 (19.1)</td>
</tr>
<tr>
<td>07</td>
<td>1.468 (37.3)</td>
<td>.687 (17.4) .875 (22.2)</td>
</tr>
<tr>
<td>08</td>
<td>1.593 (40.5)</td>
<td>.812 (20.6) 1.000 (25.4)</td>
</tr>
<tr>
<td>09</td>
<td>1.843 (46.8)</td>
<td>1.062 (27.0) 1.625 (41.3)</td>
</tr>
</tbody>
</table>

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