Cable Assemblies with an IP65 Rated Connector

60033A

60034A

60035A

SENSORS THAT DRIVE INNOVATION
Dytran Splash Proof Connector:

- These three innovative cables have a ¼-28 4-pin connector with an Ingress Protection rating of IP65 (in the mated condition).
- When these cables are connected to any hermetically sealed accelerometer the IP65 rated 4-pin connector makes the cable dust-tight and protected against water ingress due to splashing.
- All Dytran cables are designed and manufactured in the USA and are available in various lengths.
Why is an IP65 Rating Important?

- Rating is internationally recognized
- It is used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies

**IP65**

- Protected against dust ingress
- Protected against multi-directional, low-pressure water jets. Test duration: 1 minute per square meter for at least 15 minutes. Water volume: 12.5 liters per minute. Pressure: 30 kPa at distance of 3m.
IP65 Rating Protection:

- Cables are guaranteed to be splash proof and protected against dust ingress up to the black molded triaxial splitter

**Area NOT Covered by IP65 Rating**
(Triaxial splitter, flying leads, BNC plugs and 10-32 plugs)

**Area Covered by IP65 Rating**
(¼-28 4-pin connector and cable)

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What Can These Cables Do for You?:

- They offer protection against water ingress due to splashing when properly mated with our hermetically sealed triaxial accelerometers
- No need for using dielectric grease or heat shrink tubing
- Designed to survive harsh environments
- Perfect for the following applications:
  - Field testing
    - Outdoor and marine applications
  - Road load testing
    - Undercarriage and suspension testing
  - NVH applications
Specifications: 60033A

- Triaxial, four conductor shielded cable
- Teflon™ Jacket
- IP65 rated ¼-28 4-pin connector to 3 BNC plugs
- Operating temperature: -55°C (-67°F) to +135°C (+275°F)
- Voltage: 250 Volts
Product Functionality: Cable 60033A

- 3X Santoprene BNC plugs
- 3X Teflon coaxial cable
- Molded Santoprene stress relief
- IP65 rated 4-pin connector
- 4 conductor cable

(Front View)
Specifications: 60034A

- IP65 rated ¼-28 4-pin connector to flying leads
- Triaxial, four conductor shielded cable
- Teflon™ Jacket
- Operating temperature: -55°C (-131°F) to +110°C (+230°F)
- Voltage: 250 Volts
Product Functionality: Cable 60034A

- IP65 rated
- 4-pin connector
- Heat shrink tubing
- Flying Leads
- 4 conductor cable

(Front View)
Specifications: 60035A

- IP65 rated ¼-28 4-pin connector to 10-32 plugs
- Triaxial, four conductor shielded cable
- Teflon™ Jacket, black
- Operating temperature: -55°C (-67°F) to +135°C (+275°F)
- Voltage: 250 Volts
Product Functionality: Cable 60035A

3X 10-32 plugs

3X Teflon coaxial cable

Molded Santoprene stress relief

IP65 rated 4-pin connector

4 conductor cable

(Front View)

(Front View)
## Compatible Accelerometers:

- These cables are compatible with any industry standard pin-out, **hermetically sealed** accelerometer that use a ¼-28 4-pin connector. The following Dytran triaxial accelerometers can be used with these cables:

<table>
<thead>
<tr>
<th>Series</th>
<th>Features</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>3023</td>
<td>Miniature, Lightweight, high temperature</td>
<td>ESS, HALT/HASS, general purpose vibration measurements</td>
</tr>
<tr>
<td>3053</td>
<td>Case isolated, low profile, high temperature</td>
<td>ESS, product response testing, general purpose vibration measurements</td>
</tr>
<tr>
<td>3093</td>
<td>Case isolated, high sensitivity, low noise</td>
<td>Modal &amp; structural analysis, NVH, product response testing, squeak &amp; rattle</td>
</tr>
<tr>
<td>3143D</td>
<td>Case isolated, thru hole</td>
<td>Modal &amp; structural analysis, whole body vibration measurements, rocket engine vibration measurements</td>
</tr>
<tr>
<td>3263</td>
<td>Miniature, high sensitivity, low noise</td>
<td>Modal &amp; structural analysis, NVH, squeak and rattle, vibration control</td>
</tr>
<tr>
<td>3273</td>
<td>Ultra miniature, high sensitivity, low noise</td>
<td>Modal &amp; structural analysis, NVH, squeak and rattle, vibration control</td>
</tr>
<tr>
<td>3293</td>
<td>Ultra high sensitivity, low noise</td>
<td>Modal &amp; structural analysis, NVH, squeak and rattle, vibration control</td>
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ELF 7705A

CVLD 7506A

6DOF 7576A

DC MEMS 7600B

Silver Window™ 3335C

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