Off-the-Shelf (OTS) Ditto Discrete Wire Cable Assemblies

OTS Ditto Discrete Wire Cable Assemblies are available in a variety of circuits and cable lengths to facilitate both prototyping and global preproduction.

Features and Advantages

- **Positive dual lock**
  Keeps connector mated during rigorous operations
- **Pin-to-pin mapping from receptacle to PCB header**
  Provides ready-to-use, plug-and-play connections
- **V-0 / Glow Wire combination resin**
  Reduces the cost of materials and labor and allows customers to meet the European standard for electrical requirements
- **UL 1061 discrete wires for cable assemblies**
  Is ready to use in electronic appliance applications; provide ease of design, prototyping and production
- **Meets 2015 / 863 / EU RoHS compliance**
  Decreases engineering time and resources
- **Reflow options available**
  Reduces labor costs, saving time and resources
- **Assembled in ISO / TS16949-certified facilities**
  Ensures high quality; meets current automotive industry standards
- **OTS Ditto Discrete Wire Cable Assemblies deliver 4.2 to 5.0A with a 3.00mm pitch (positive lock)**
  Delivers reliable power for a wide range of space-constrained applications
- **Custom assemblies for production also available**
  Meets design needs after prototyping is complete; Molex’s extensive design and manufacturing expertise can meet the unique challenges of the most demanding applications
- **TPA**
  Prevents terminal back-out

Markets and Applications

**Consumer – General Market**
- Washers and dryers
- Freezers
- Gaming machines
- Printers
- Refrigerators
- Scanners
- Security systems
- Vending machines
- White goods

**Automotive**
- 4-Wheelers
- 3-Wheelers
- 2-Wheelers
- Motorcycles
- Scooters

**Appliances**
- Refrigerators
- Printers
- Washers and dryers

**2-Wheelers**
- Motorcycles
- Scooters

**4-Wheelers**
- Reflow options available
- Meets 2015 / 863 / EU RoHS compliance
**Specifications**

**REFERENCE INFORMATION**
- 36 part numbers available
- NPI Stocking Package: 1,000 assemblies
- Length Options (mm): 50, 100, 150, 300, 450 and 600
- Circuit Size Options: 2, 3, 4, 5, 6 and 8 circuits
- Wire Gauge: 20 AWG
- UL 1061 Industry-standard discrete wire

**ELECTRICAL**
- Voltage (max.): 300V
- Current (max.): 4.2 to 5.0A (depends on circuit size) for 20 AWG wires
- Contact Resistance (max.): 10 milliohms
- Dielectric Withstanding Voltage: 1,700V AC/minute
- Insulation Resistance (min.): 1,000 Megohms

**PHYSICAL**
- Housing: PA66 UL 94V-0 (non-Glow Wire capable)
- Contact: Tin Brass
- Plating: Tin
- Contact Area: Pre-plated Tin
- Operating Temperature: -40 to +80°C

**MECHANICAL**
- Contact Insertion Force (max.): 15N
- Contact Retention to Housing (min.): 25N
- Mating Force (max.): 27N (8 circuit-latch activated condition)
- Unmating Force (min.): 55.4N (8 circuit latch activated condition)
- Durability (max.): 25 cycles

**Ordering Information**

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Component</th>
<th>Type</th>
<th>Circuits</th>
<th>Length (mm)</th>
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<tbody>
<tr>
<td>36922</td>
<td>Off-the-Shelf Ditto Discrete Wire Cable Assemblies Receptacle</td>
<td>Single Row</td>
<td>2, 3, 4, 6 and 8</td>
<td>50, 100, 150, 300, 450 and 600</td>
</tr>
</tbody>
</table>

**Custom Product Description**
- Contact Molex

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)