

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

molex

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



OTS Ditto Discrete Wire Cable Assemblies

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

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

Assembled in ISO / TS16949-certified facilities

Ensures high quality; meets current automotive industry standards

UL 1061 discrete wires for cable assemblies

Is ready to use in electronic appliance applications; provide ease of design, prototyping and production



OTS Ditto Discrete Wire Cable Assemblies

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

Meets 2015 / 863 / EU RoHS compliance

Decreases engineering time and resources

TPA

Prevents terminal back-out

Reflow options available

Reduces labor costs, saving time and resources

Markets and Applications

Consumer – General Market

- Washers and dryers
- Freezers
- Gaming machines
- Printers
- Refrigerators
- Scanners
- Security systems
- Vending machines
- White goods



Appliances



2-Wheelers

Automotive

- 4-Wheelers
- 3-Wheelers
- 2-Wheelers
- Motorcycles
- Scoters

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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

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

Custom Product	Description
Contact Molex	Ditto Custom Cable lengths and other options

www.molex.com/link/otscableassemblies.html

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