

Off-the-Shelf (OTS) DuraClik ISL Single-Row (SR) Tin (Sn) Discrete-Wire Cable Assemblies >

OTS DuraClik ISL SR Sn Discrete-Wire Cable Assemblies deliver up to 3.0A and a variety of circuit sizes to facilitate both prototyping and global preproduction



OTS DuraClik ISL SR Sn Discrete-Wire Cable Assemblies

FEATURES AND ADVANTAGES

Independent secondary lock (ISL)

Detects incomplete terminal insertion; provides up to 50N of terminal retention force; helps position terminals while meeting stringent automotive requirements

Enclosed contact design

Protects contact against dust and debris and avoids tangling during harness assembly

Crimp terminal variation

Offers Gold and Tin plating

Audible click sound on mating

Provides mating confirmation



Wide solder tabs designed and tested to meet Society of Automotive Engineers (SAE) automotive vibration standards

Provide secure PCB retention that can withstand an upward pull force of 100N (10kgf) to meet automotive vibration requirements

Inner positive lock

Provides secure mating and space savings and helps prevent latch breakage from wire tangling

2 to 15 circuits in vertical and horizontal configurations

Offer design flexibility

MARKETS AND APPLICATIONS

Automotive

Air-conditioning
Exterior lighting
Heads-up displays (HUDs)
Inverters
Shift levers
Steering components
Wiper/blinker levers

Consumer

LED lighting

Industrial Automation

Factory automation

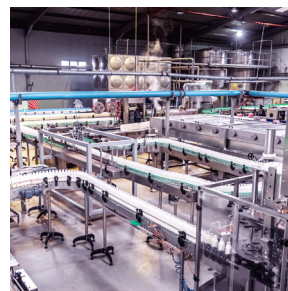
Commercial Vehicle

Cranes
Tractors
Trucks

Note: Application recommendations are based on the connector specifications



Car Interior



Factory Automation



Trucks

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SPECIFICATIONS

Reference Information

UL File No.: N/A
CSA File No.: N/A
Use With: 0.35 sq. mm (22 AWG)
Insulation Diameter: 1.30±0.10mm
Designed In: Millimeters
RoHS: Yes*
Halogen Free: Not low-halogen*
Glow Wire Capable: No*
IP Rating: N/A

Electrical

Voltage (max.): 60V AC/DC
Current (max.): 3.0A
Contact Resistance (max.): 10 milliohms
Dielectric Withstanding Voltage: 500V AC (rms)
for 1 minute between adjacent terminals
or ground*
Insulation Resistance: 100 Megohms (min.)*

Mechanical

Terminal Insertion Force (max.): 10N*
Terminal Retention to Housing (min.): 50N*
Mating Force (max.): 3.1N/circuit*
Unmating Force (min.): 1.3N/circuit*
Durability (max.): 20 cycles*

Physical

Housing: Polybutylene Terephthalate (PBT) *
Contact: Copper Alloy
Plating: Tin
Contact Area: Tin
Underplating: Nickel
Operating Temperature: -40 to +105°C

*The specification given is based on the connector used.

ORDERING INFORMATION

Series	Component	Type	Circuits	Length (mm)
<u>218322</u> <u>218323</u>	DuraClik ISL SR Sn Discrete-Wire Cable Assemblies	Single Row	2, 3, 4, 5, 6, 8 and 10	150, 300, 600

www.molex.com/link/otscableassemblies.html