

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

Crimp terminal

Offers Gold and

variation

Tin plating

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

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

Enclosed contact design

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







Inner positive lock

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

2 to 15 circuits in vertical and horizontal configurations Offer design flexibility

Industrial Automation

Factory automation

MARKETS AND APPLICATIONS

Automotive

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

vibration requirements

Commercial Vehicle

Cranes Tractors Trucks

Note: Application recommendations are based on the connector specifications

Consumer LED lighting







Car Interior Factory Automation

Trucks



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Electrical

or ground*

Voltage (max.): 60V AC/DC

Current (max.): 3.0A

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 ± 0.10 mm

Designed In: Millimeters

RoHS: Yes*

Halogen Free: Not low-halogen* Glow Wire Capable: No*

IP Rating: N/A

Mechanical

Terminal Insertion Force (max.): 10N*
Terminal Retention to Housing (min.): 50N*

Contact Resistance (max.): 10 milliohms

Dielectric Withstanding Voltage: 500V AC (rms)

for 1 minute between adjacent terminals

Insulation Resistance: 100 Megohms (min.)*

Mating Force (max.): 3.1N/circuit*
Unmating Force (min.): 1.3N/circuit*

Physical

Housing: Polybutylene Terephthalate (PBT) *

Contact: Copper Alloy

Plating: Tin
Contact Area: Tin
Underplating: Nickel

Operating Temperature: -40 to +105°C

ORDERING INFORMATION

Series	Component	Туре	Circuits	Length (mm)
218322 218323	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