

Off-the-Shelf MX150 Cable Assemblies

molex

Off-the-Shelf MX150 Cable Assemblies deliver a 22.0A current rating and offer a variety of cable lengths for automotive and commercial vehicle applications

Features and Advantages

Mat seal technology for MX150 (1.50mm) terminals

Eliminates the need for individual cable seals, which affords reduced package size and reduced cost

1-piece 3.50mm-pitch housing

Eliminates unnecessary and costly assembly operations; offers a compact connector

Preassembled terminal position assurance (TPA) housing

Ensures crimped terminal leads are properly locked into connector

Grommet cap

Protects the mat seal and assures proper alignment of the terminals

4 polarization and color options

Facilitates quick visual installation

Flashover options (custom void patterns) available

Provides design flexibility

USCAR interface

Has a released and approved interface for major North America OEMs

Connector position assurance (CPA) option available

Assures connectors have been fully mated and prevents accidental disconnection

Temperature class 4 (-40 to +125°C) and 22.0A current rating

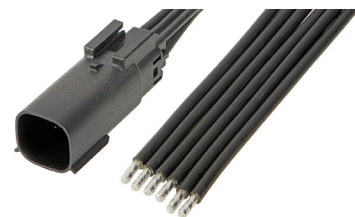
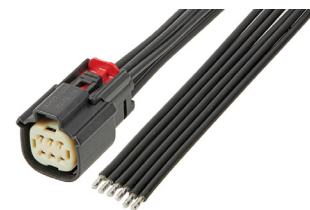
Delivers superior performance

V0 versions available (UL1977 certified)

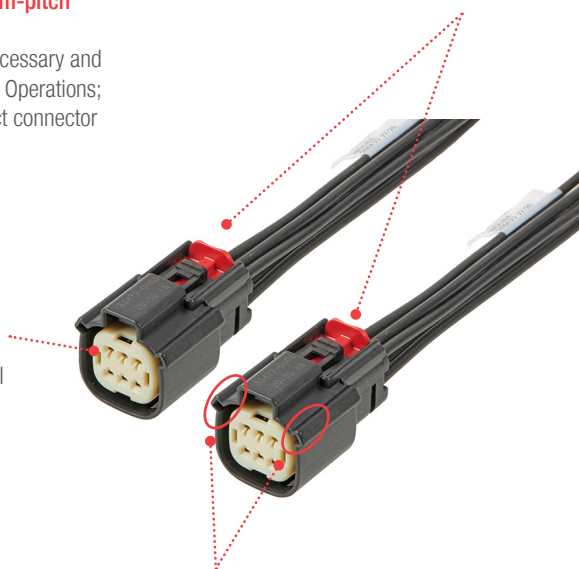
Meets stringent safety requirements

Conforms to USCAR-2/USCAR-21/GMW3191

Is for use in on-engine, high-vibration, under-hood and under-chassis environments at temperature class 4



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Markets and Applications

Automotive and Commercial Vehicles

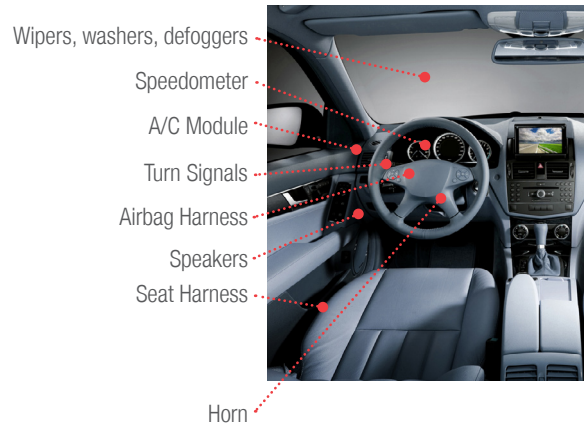
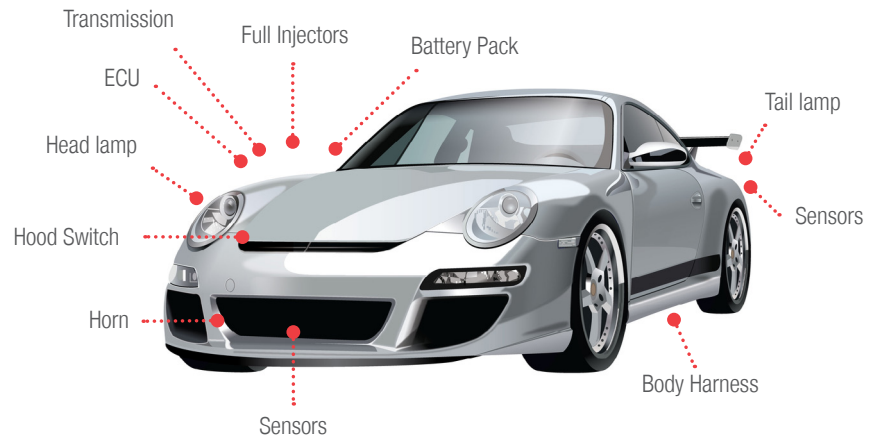
- Transmissions
- Head/tail lamps
- Body harnesses
- Wipers, washers, defoggers
- Speedometers
- A/C modules
- Turn signals
- Airbag harnesses
- Speakers
- Door connectors
- Brake modules
- Horns
- Marine equipment

Consumer/Home Appliances

- White goods
- LED lightings

Industrial

- Automation equipment
- Process control equipment
- Construction equipment



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Specifications

REFERENCE INFORMATION

Packaging: Bulk (connectors); reels (terminals)
UL File No.: N/A
CSA File No.: N/A
Use With: 14 AWG
Insulation Diameter: 2.5mm
Designed In: Millimeters
RoHS: Yes
Halogen-Free: No
Glow Wire Compliant: No
IP Rating: IP67

ELECTRICAL

Voltage (max.): 14V DC
Current (max.): Up to 22.0A
Contact Resistance (max.): 10 milliohms
Dielectric Withstanding Voltage: 1000V AC (unmated connectors for 1 minute between adjacent terminals and between terminals to ground)
Insulation Resistance (min.): 20 Megohms

MECHANICAL

Terminal Insertion Force (max): 30N
Terminal Retention to Housing (min): 90N
Mating Force (max.): 75N
Unmating Force (min.): 110N
Durability (max.): 25 cycles

PHYSICAL

Housing: SPS/nylon
Contact: Copper Alloy
Plating:
Contact Area – Tin
Underplating – Tin
Operating Temperatures: -40 to +125°C

*Information is based on MX150 connector specifications

Ordering Information

	Component	Circuits	Lengths (mm)
216280	Off-the-Shelf MX150 Cable Assemblies	2,3, 4 and 6	150, 300 and 600
216281			
216282			
216283			
216285			
216286			
216287			
216288			

Custom product	Description
Contact Molex	Off-the-Shelf MX150 Custom Cable Assemblies

www.molex.com/link/otscableassemblies.html

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