

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

Flashover options (custom void patterns) available

Provides design flexibility

Connector position assurance (CPA) option available

Assures connectors have been fully mated and prevents accidental disconnection

4 polarization and color options

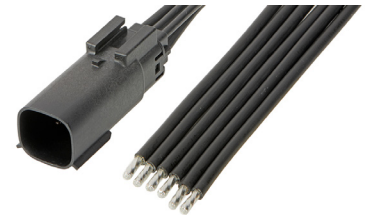
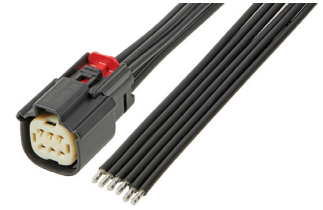
Facilitates quick visual installation

USCAR interface

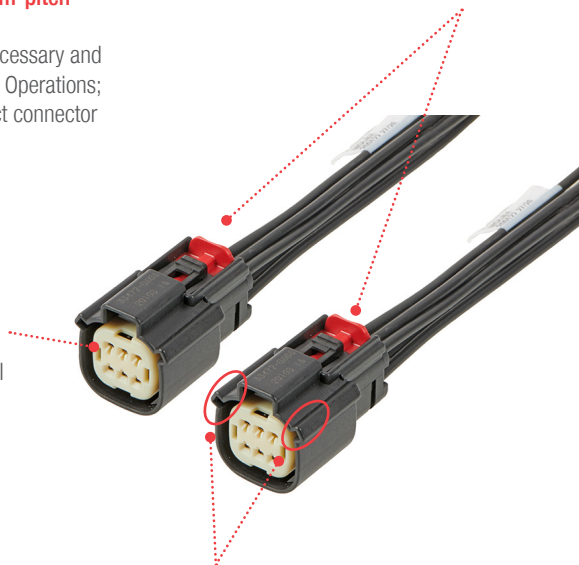
Has a released and approved interface for major North America OEMs

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



MX150 Cable Assemblies



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

Delivers superior performance

V0 versions available (UL1977 certified)

Meets stringent safety requirements



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Markets and Applications

Automotive and Commercial Vehicles

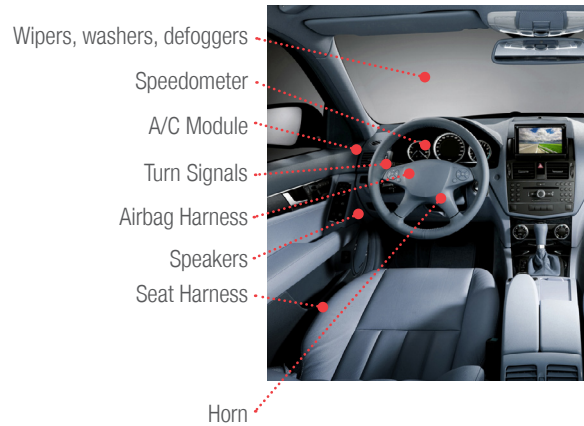
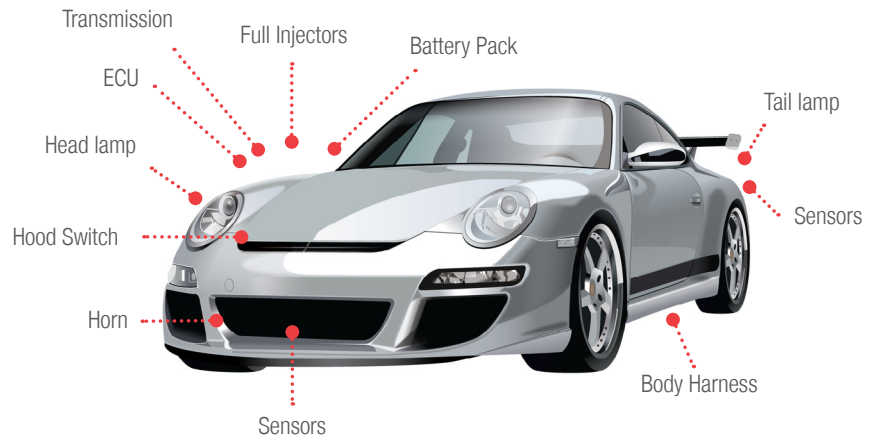
- Transmissions
- Head/tail lamps
- Body harnesses
- Wipers, washers, defoggers
- Speedometers
- A/C modules
- Turn signals
- Airbag harnesses
- Speakers
- Door connectors
- Brake modules
- Horns
- Marine equipment

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 (unmate 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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