# **Teledyne Cable Solutions**

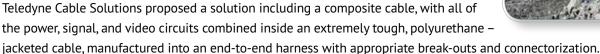
# Cables for Mining Operations

Teledyne Cable Solutions is a vertically-integrated engineering and manufacturing company specializing in ruggedized cable and cable assemblies.

Modern mining vehicles are equipped with a wide variety of sensors, cameras, proximity transducers, GPS antennas, and other devices. Teledyne Cable Solutions manufactures ruggedized, application-specific cable assemblies and harnesses designed for reliable connectivity in the harsh environments found in today's mining operations.

### A CASE STUDY

In 2010, Teledyne Cable Solutions collaborated with a major Canadian mining operator to develop a cost-effective solution to an ongoing cabling issue on their vehicle sensor system. The system consisted of individual camera, power, and sensor cables pulled through a PVC conduit, which was continually damaged and suffered water ingress, rendering the electronic systems inoperable. The life expectancy on these installations was a little as six months.



The installation time for the harnesses was reduced from 4 hours to just 30 minutes, and after 18 months in service, not a single one of the initial 12 systems had failed. In recognition of the improved reliability and lower installation and maintenance costs, the client then converted the worldwide fleet of mining vehicles to the sealed polyurethane harness.



# ADDITIONAL CAPABILITIES

#### **CUSTOM CABLE**

Retractile cords, Hazardous Location cables (Class 1 Division 2), Coiled Cables, multi-conductor composites

#### **TERMINATION AND ASSEMBLY**

Round circular Mil (Stainless steel, anodized, brass, aluminum, or plastic), rectangular, D-Sub, Copper fiber, Electro-mechanical, Coaxial, RJ-45, Firewire, USB

#### **SOLID MOLDED CABLES**

Injection or pour molding to protect and strengthen the connector body and interface. Full library of mold tool designs available



# Our business focus for mining operations includes:

Vehicles

Sensor

• Production control

· Heavy construction equipment

#### **Certifications:**

IPC-A-620

• UL, CSA, ETL

• ISO 9001:2000



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