

Railway Cables

Control & Power Cables for Diesel Electric Locomotives (EDPS 179 & EDPS 304)

This specifications covers the performance requirements for control & power cables used within the electrical power distribution system of Diesel-Electric Locomotives and other heavy duty industrial equipment with larger duty cycle.

Application

- : EDPS-179 (Control Wires): Used in the electrical control system of diesel-electric locomotives and other heavy-duty industrial equipment. They are typically of smaller sizes (up to and including AWG size 3).
- EDPS-304 (Power Cables): Used in the power distribution system of diesel-electric locomotives and other heavy-duty industrial equipment with variable duty cycles. These are larger cables (AWG size 1 and larger)
- Drilling Rigs
- Railroad and Transit Car Wiring
- Electric Earth-Moving Equipment

Advantages

- : Fire-safe due to flame-retardant, low-smoke and low-acid gas properties
- Performs reliably against oil, grease and extreme temperatures
- Features highly flexible, Class 5 annealed tinned copper conductors
- Engineered for a long service life, minimizing maintenance costs
- Resistance to mineral oil, diesel oil, fluids & ozone

Diesel Electric Locomotive Cables ATC, 125° C, As Per EMD/9094883

Construction

- Conductor** : Annealed Tinned Copper Conductor
- Insulation** : Thermosetting Crosslinked Polyolefin compound as Per EDPS 179 Dual Layer
Thermosetting Crosslinked Polyolefin compound as Per EDPS 304

Technical Data

- Temperature Range** : - 65° C to +125° C
- Thermal Life Rating** : 10,000 Hours at +125° C

Key features

- High-Temperature Rating** : It can withstand a wide Temperature range from -65° C to 125° C
- Durable Construction Rating** : Features a flexible, tinned copper conductor with robust dual-layer insulation
- Environmental Resistance** : Highly resistant to oil, fuel, grease, moisture, ozone and high ambient conditions
- Safety Features** : Excellent flame retardant and produces low smoke and acid gas generation
- Performance and Usability** : Flexible, easy to strip and abrasion resistant & crush resistant



Fire retardant



Good Chemical Resistance



Good Resistance to UV, humidity and ozone



High Flexible



Halogen Free



Low Corrosivity of combustion gases



Low toxicity



Operating temp.