



Performance Standards

- AAR Specification S-4210 – Performance specification for ECP Brake System Cable, connectors and junction boxes (August 2014)
- ASTM B-33 – Tinned soft or annealed copper wires
- ICEA S-95-658 – XLPE insulation X-2
- MIL-C-13777 – Cables, special purpose, electrical
- UL 1581 – Reference standard for electrical wires, cables and flexible cords

Construction

Conductor: #8 AWG (37/24) stranded tinned copper per ASTM B-33

Insulation: Cross-linked polyolefin (Exane®)

Color Code: (1) Black, (1) White

Tape: Polyester tape

Drain Wire: #16 AWG stranded tinned copper, spirally applied

Braid Shield: #34 AWG tinned copper with an 85% minimum coverage

Tape: Separator tape

Jacket: Low temperature heavy duty neoprene reinforced per MIL-C-13777

Diameter: .725 +/- .025 inch

Impedance: 50 +/- 5 ohms

Scope

AAR approved power and signal cable suitable for wiring interchange freight cars and locomotives equipped with ECP Brake Systems. This cable is ideal for use between cars where flexibility and strength are important and molding to the AAR approved connector is essential.

