

# Electronically Controlled Pneumatic (ECP) Brake Cable

600 V, Two Conductor, Unarmored and Armored

**Product Construction:**

**Conductor:**

- 8 AWG soft annealed tinned copper per ASTM B33

**Insulation:**

- Cross-linked Polyolefin (XLPO) - 125°C

**Shield:**

- 85% tinned copper braid shield with 16 AWG drain wire

**Jacket:**

- Arctic-grade, heavy-duty reinforced Cross-linked Chlorinated Polyethylene (XL-CPE)

**Optional Armor:**

- Galvanized steel (GSIA) and Aluminum (AIA)

**Print:**

- AAR ECP BRAKE CABLE S-4210 GENERAL CABLE® (WC) 2/C 8 AWG 600 V QUARTER/YEAR

**Applications:**

- Designed specifically for installation both under and between freight cars
- Meets all AAR specification S-4210 requirements

**Features:**

- 125°C rated Cross-linked Polyolefin (XLPO) insulation allows for routing through higher temperature areas. Insulation is also flexible and free stripping
- Tinned copper braided shield designed for significant EMI/RFI reduction
- Arctic-grade, heavy-duty reinforced Cross-linked Chlorinated Polyethylene (XL-CPE) jacket offers the lowest diameter for easier conduit pull and can be used in a ¾" conduit in lieu of 1". Excellent low-temperature performance suitable for installation in sub-zero conditions. Tough mechanical properties
- Optional galvanized or aluminum armor over the cable jacket allows for conduit-free installations providing significant installed cost savings
- Temperature range of -45°C to +100°C

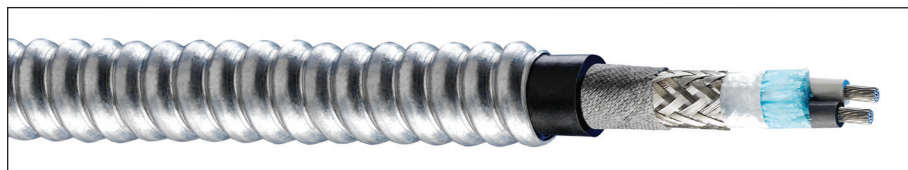
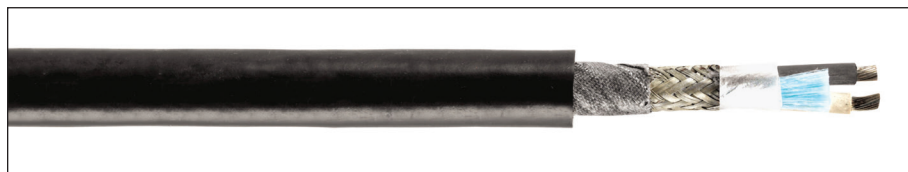
**Compliances:**

**Industry:**

- AAR S-4210

**Flame Test:**

- IEEE 1202 (70,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- VW-1



**ECP BRAKE CABLE**

CATALOG NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR (AWG) SIZE AND STRANDING		NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL CABLE DIAMETER		NET CABLE WEIGHT		AMPACITY (FREE AIR 40°C AMBIENT)
				MILS	mm	MILS	mm	INCHES	mm	LBS./1000'	kg/km	
<b>443420</b>	2	8	37/24	45	1.15	105	2.67	0.725	18.42	325	484	69
<b>443440 (GSIA)</b>	2	8	37/24	45	1.15	105	2.67	0.960	24.38	655	975	69