

DUAL RATED AL TRAY CABLE

ALUMINUM ALLOY CONDUCTORS

Dual Rated CSA/UL 600V to 2000V Tray Cable Aluminum Alloy Conductors

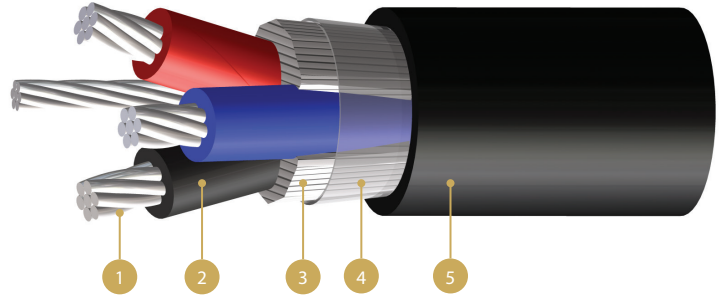


Features

- Aluminum alloy wire is approximately $\frac{1}{3}$ the weight of copper wire
- AA-8000 aluminum alloy have a higher strength to weight ratio than copper wires, allowing the electrical designer to specify longer cable runs
- AA-8000 aluminum alloy conductors are more flexible than equivalent ampacity copper conductors and have comparable flexural life
- Lower cost aluminum alloy conductors should be considered as a lower cost alternative to copper conductors, providing significant cost savings on large projects

Approvals

- CSA C22.2 NO. 230, Tray Cables
- CSA C22.2 NO. 38, Thermoset Insulated Wires and Cables (RW90)
- CSA FT4, UL 1685, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- UL 1277, Tray Cables
- UL 44, Thermoset Insulated Wires (XHHW-2/RHW-2)
- -40°C cold bend/impact rated
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- "ER" rated for exposed runs (open wiring)
- Rated for use in hazardous locations:
 - Class I Zone 2 (Div 2)
 - Class II Zone 22 (Div 2)



1. Aluminum 8000 Series Alloy Stranded Conductors
2. FR XLPE (RW90 rated) Insulated Conductors
3. Polypropylene Fillers
4. Polyester Separator Tape
5. FR PVC Outer Protective Jacket (standard)

Constructions

- Voltage:
 - 600V/1000V/2000V (CSA & UL rated)
- Conductors:
 - Compact strand, 6 AWG to 1000 MCM/kcmil
 - AA-8000 ACM aluminum alloy, ASTM B-801
- Bonding Conductor:
 - Compact strand, AA-8000 ACM aluminum alloy, sized in accordance with Table 16 of the Canadian Electrical Code and Table 7.1 of UL Standard 1277 Insulation
- Insulation:
 - FR XLPE (RW90)
rated: 90°C wet/105°C dry (CSA C22.2 NO.38)
 - XHHW-2/RHW-2
rated: 90°C wet/dry (UL 44)
- Jacket:
 - FR PVC black outer jacket
rated: 90°C to -40°C
- Conductor Colour Code:
 - 2C: black and white
 - 3C: black, red and blue
 - 4C: black, red, blue and white

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