

ACWU90

3C 1 ACWU ACM CT 600V

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(-40°C) XLPE 600 Volts 90°C

DESCRIPTION

CSA File #LL23462 Class 5811 01 - Cable

CSA File #LL19376 Class 5818 01 - Hazardous Location Cable

One to four compact ACM aluminum conductors with low temperature, sunlight resistant (black and colours) EXELENE® cross-linked polyethylene insulation (RW90 XLPE) and bare aluminum bonding wire in multi-conductor cables. Single conductor cables have aluminum concentric bonding wires. Conductor assembly is wrapped and enclosed in an interlocked aluminum armour with an overall low acid gas and low flame spread, sunlight resistant PVC jacket (LAG/LFS) with FT4 and AG14 rating. LEAD FREE and RoHS compliant.

8 and larger are HL rated for Class I Div 1 & 2 Groups A, B, C & D, Class II Div 1 & 2 Groups E, F & G and Class III Hazardous Locations.

Rated 600 volts.

Application

- For exposed and concealed wiring in dry or wet locations and where exposed to the weather.
- Nexans cables are marked "SUN RES" for sunlight resistant.
- For use in ventilated, non-ventilated and ladder type cable trays in wet and dry locations.
- For direct earth burial (with protection as required by Inspection Authority).
- For service entrance above or below ground.
- For use in hazardous locations with approved connectors.
- Minimum recommended installation temperature minus 40°C (with suitable handling procedures).
- Maximum conductor temperature 90°C.
- **Limited Smoke Zero Halogen - CSA rated ST1 per CSA 22.2 No. 2556 upon request. Meets the FT4 flame spread test.**

CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Insulation	XLPE
Jacket Colour	Black
With Bonding Conductor	-

Dimensional characteristics

Approximate net weight	937.68 kg/km
Cable Diameter	31.35 mm
Conductor size (AWG)	1



STANDARDS

National CSA C22.2 N° 51

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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Dimensional characteristics

Number of cores	-
Number of strands	8

Electrical characteristics

Maximum operating voltage	600 V
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Usage characteristics

Maximum operating temperature	90 °C
Minimum installation temperature	-40 °C