

RW90 Copper

500(37) RW90 CU BLK 600V

Contact

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(-40°C) EXELENE® XLPE Insulated Wire 90°C Service Entrance and Branch Circuit Wire

DESCRIPTION

CSA File #LL23462 Class 5832 03

Single compressed stranded copper with low temperature moisture resisting EXELENE® cross-linked polyethylene (XLPE) insulation. RoHS compliant.

Nexans INSTAGLIDE® reduced friction construction in copper sizes 6 AWG and larger, black and colours.

Colours: Standard colours are available.

Suitable flame retardant jacketed cables are available on request.

Application

- For open wiring and raceways (except cabletroughs and ventilated flexible cableway) in dry or wet locations.
- For exposed wiring where exposed to weather with sunlight resistant insulation. Black and colours 6 AWG and larger are sunlight resistant and marked "SR".
- Non-jacketed RW90 (XLPE) cables are not suitable for installation in vaults and switchrooms under the conditions of CE Code Part 1 Rule 12-2202(3).
- Minimum recommended installation temperature minus 40°C (with suitable handling procedures).
- Maximum conductor temperature 90°C.
- Approved for use with ceiling fixtures.

CHARACTERISTICS

Construction characteristics

Conductor Material	Copper
Insulation	XLPE
Insulation Colour	Black
With Bonding Conductor	No

Dimensional characteristics

Approximate Net Weight	2454 kg/km
Cable Diameter	23.3 mm
Conductor Diameter (mm)	20.65
Conductor size (AWG)	500 MCM
Nominal insulation thickness	1.65 mm
Number of Conductors	1
Number of Strands	37



STANDARDS

National CSA C22.2 N° 38

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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Electrical characteristics

Maximum operating voltage	600 V
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Usage characteristics

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