

NUAL® WIDESTRIPE™ RW90 Building Wire



Alcan Cable manufactures NUAL® WIDESTRIPE™ RW90 single conductor building wire for use in general purpose residential, commercial and industrial wiring applications where phase identification is an advantage. As with all NUAL aluminum alloy building wire, these products are of the highest quality, provide outstanding performance and offer tremendous flexibility. They meet or exceed the requirements of CSA standards and are approved for use in accordance with the recommendations of the Canadian Electrical Code.

In keeping with the value-added performance of the NUAL aluminum alloy family of building wire products, Alcan Cable's NUAL® WIDESTRIPE™ RW90 conductors stand out as the right choice for an installation that's safe and error-free. Visible coloured stripes confirm that multiple-phase conductors have been pulled and terminated accurately. No taping. No chance of cross-phasing. NUAL® WIDESTRIPE™ RW90 makes no mistake. And that peace of mind ensures the job gets done safely — and quickly — every time.

Easy to identify, lightweight, weather and sunlight resistant, flexible and strong, NUAL® WIDESTRIPE™ RW90 is the optimum choice for RW90 building wire applications. And with Alcan Cable's proven performance in superior product quality and customer service, you can rest assured that NUAL® WIDESTRIPE™ RW90 building wire will exceed your installation expectations.

*Denotes compliance to RoHS, Directive 2002/95/EC.

PRODUCT FEATURES

Phase Identification with three clearly visible, wide colour stripes embedded within the surface of the cross-linked polyethylene insulation.

Colour Phase Identification striping is available in easy to see, easy to install white, red and blue.

Lightweight, for easier lifting and handling because NUAL aluminum alloy conductors weigh half as much as copper conductors of equal ampacity.

Maximum operating temperature to 90°C and a minimum temperature of -40°C in wet and dry locations, meet or exceed the application requirements for installations of service and feeder circuits.

Sunlight and moisture resistant insulation enhances the life of the cable by fending off environmental elements that can cause deterioration.

Cross-linked polyethylene insulation (XLPE) over NUAL aluminum alloy conductors offers a higher maximum short-circuit temperature rating than thermoplastic insulation.

NUAL aluminum alloy conductors are environmentally sustainable, 100% recyclable and heavy-metals free*. Insulation is RoHS compliant while providing excellent long-term performance.



NUAL® WIDESTRIPE™ RW90

Conductor Size AWG or kcmil	CONDUCTOR DIMETER			APPROXIMATE MASS	
	NUAL compact (mm)	Insulation Thickness (mm)	Overall Diameter (mm)	Conductor Metal (kg/km)	Total (kg/km)
8	3.40	1.14	5.68	23.1	40.1
6	4.29	1.14	6.57	36.8	55.8
4	5.41	1.14	7.69	58.5	81.7
3	6.05	1.14	8.33	73.7	102.0
2	6.81	1.14	9.09	93.0	121.6
1	7.59	1.40	10.39	117	155.8
1/0	8.53	1.40	11.33	148	190.8
2/0	9.55	1.40	12.35	186	234.0
3/0	10.7	1.40	13.54	235	288.2
4/0	12.1	1.40	14.89	296	355.8
250	13.2	1.65	16.51	350	426.1
300	14.5	1.65	17.8	420	503.0
350	15.6	1.65	18.95	490	579.3
400	16.7	1.65	20.04	560.3	655.3
500	18.7	1.65	21.99	701	806.7
600	20.7	2.03	24.71	841	983.8
750	23.1	2.03	27.12	1050	1210.2
1000	26.9	2.03	30.98	1400	1586.3
*1500	35.9	2.41	40.68	2117.6	2468.0

*Conventional stranding.
Size 8 - 1000 are compact.

Conversion Factors:

kcmil x 0.5067 = mm²
mm x 0.0394 = inches
kg/km x 0.6720 = lbs./M ft.

widESTRIPE™
EASY AS ABC - AUSSI SIMPLE QU'ABC™

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