

1000V RWU90 (Single Al alloy conductorXLPE insulated cable)



Application

RWU90 conductors are primarily used in conduit or recognized raceways for service, feeders, and branch circuit wiring as specified in the National Electrical Code. RWU90 conductors may be used in wet or dry locations.

Construction

The stranded compacted 8000 series aluminium alloy conductor is insulated with abrasion, moisture and heat resistant and flame retardant black XLPE.

Technical Data

Rated Voltage	1000V
Operating Temperature	Max permissible continuous operating temperature of conductor shall not exceed 90°C.
Standard	UL44 and CSA22.2 NO.38 or other standards required by customers.

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Conductor*		Nominal thickness of insulation mil	Approx. Overall Diameter inch	Conductor*		Nominal thickness of insulation mil	Approx. Overall Diameter inch
Size AWG or MCM	No. of Strands			Size AWG or MCM	No. of Strands		
8	7	80	0.227	250	35	110	0.653
6	7	80	0.262	300	35	110	0.703
4	7	80	0.306	350	35	110	0.749
2	7	80	0.361	400	35	110	0.792
1	18	95	0.412	500	35	110	0.869
1/0	18	95	0.449	600	58	125	0.979
2/0	18	95	0.489	700	58	125	1.040
3/0	18	95	0.536	750	58	125	1.071
4/0	18	95	0.588	1000	58	125	1.223