

RW90 Copper Wire Building Product

600 Volt, 90°C, C(UL) Type RW90, Copper Conductor, Sunlight Resistant



PRODUCT DATA SHEET

Cables RW90 are high speed copper wire building products generally used for outdoor wiring applications. Therefore these cables are exposed to the atmospheric weather while others are lied in the raceways in damp and dry locations. The installation is done to meet the requirements Canadian Electrical Codes of standards. RW90 Cable is appropriate for transmission and distribution of low and medium voltage of about 600 volts. RW90 is highly regarded to be good for this transmission above the ground.



CONSTRUCTION

Conductor: Annealed copper, Compact stranded, ASTM B496

Insulation: Cross-linked polyethylene (XLPE)

Color: Black; additional colors available

Print Legend:

ASCENT E477980 ** C(UL) XXAWG/kcmil RW90 COMPACT CU XLPE

600V -40°C FT1 SUN RES 90°C YEAR XXXXXM

Note: "****" is Factory Code

REFERENCE STANDARDS

- UL 44 - Thermoset-insulated Wire
- CSA Standard - C22.2 No. 38
- CSA FT1 Flame Test
- RoHS Compliant

FEATURES

- Rated at 90°C wet or dry
- Meet cold bend test at -40°C
- Sunlight resistant (Black Color)
- CUL Certified for outdoor use
- Certain smoothness for easy pulling

IEWC P/N	Size (AWM/kcmil)	No. of Strands.	Conductor OD (mm)	Nominal Thickness of Insulation (mm)	Ref. Cable O.D. (mm)	Approx. Cable Weight (kg/km)	Ampacity (90°C) (In free air)
32180123	250	36	13.21	1.65	16.65	1218	455
32180124	300	36	14.48	1.65	17.78	1449	500
32180125	400	36	16.74	1.65	20.04	1916	615
32180126	500	36	18.68	1.65	21.98	2373	700
32180127	600	60	20.65	2.03	24.71	2869	780

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Design Number	10809		
Revision History			
00	2023/06/14	Initial release	
01	2023/07/07	Conductor stranding number reduced, Part number added	
Created	L. Jian	Approved	A. Huang

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