DURAGROUND™ CU 600V XLPE Insulation. RHH/RHW-2/RW90 UL & CSA

Single Copper Conductors, XLPE Insulation, Sunlight Resistant, 600V, 90°C MAX, -40°C MIN, Gasoline & Oil Resistant



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B compressed stranded bare copper per ASTM B3 and ASTM B8
2. **Insulation:** Cross Linked Polyethylene (XLPE) Type RW90

APPLICATIONS AND FEATURES:

Suitable for installation in Cable Trays and Underground Duct Banks - As per CE Code limitations (see Rule 12-2202) for grounding and bonding applications.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- CSA SUN RES - for Sunlight Resistant rating
- CT USE Sizes 1/0 AWG and Larger
- IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

E30117 {UL} XXXX KCMIL CU RHH-RHW-2 600V FOR CT USE FT4 SR PR I OR PR II 90°C WET OR DRY -40°C --- {CSA} LL90458 XXXX KCMIL (XXX mm2) RW90 600V FT4 SR -40°C XLPE --- RoHS {MMM/DD/YYYY}

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Strand	Insul. Thickness	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C†
	AWG/ Kcmil	No.	mil	inch	lb/1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
TBA	8	7	60	0.262	72	1	132	0.653	0.81	0.052	55
649033	6	7	60	0.304	109	1.2	209	0.411	0.51	0.051	75
TBA	4	7	60	0.345	159	1.4	333	0.258	0.32	0.048	95
649039	2	7	60	0.409	246	1.6	530	0.162	0.201	0.045	130
TBA	1/0	19	80	0.522	389	2.1	844	0.102	0.127	0.044	170
649041	2/0	19	80	0.574	488	2.3	1064	0.082	0.102	0.043	195
TBA	3/0	19	80	0.616	594	2.5	1342	0.064	0.079	0.042	225
649043	4/0	19	80	0.666	745	2.7	1692	0.051	0.063	0.041	260
TBA	250	37	95	0.748	882	3	2000	0.043	0.053	0.041	290
649054	350	37	95	0.841	1219	3.4	2800	0.031	0.039	0.04	350
649056	500	37	95	0.966	1706	3.9	4000	0.021	0.027	0.039	430
649058	750	61	110	1.2	2550	6	6000	0.014	0.019	0.038	535
649060	1000	61	110	1.349	3354	6.7	8000	0.011	0.016	0.037	615

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
†Ampacities derived from the 2015 Canadian Electrical Code - Table 1 - For single conductor in free air and based on an ambient temperature of 30°C. - Table 2 - for Cable in Conduit. Not more than 3 aluminum conductors in a conduit and based on an ambient temperature of 30°C.
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Strand	Insul. Thickness	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C
	AWG/ Kcmil	No.	mm	mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp
TBA	8	7	1.52	6.65	107	25.40	587	2.14	2.66	0.1706	55
649033	6	7	1.52	7.72	162	30.48	930	1.35	1.67	0.1673	75
TBA	4	7	1.52	8.76	237	35.56	1482	0.85	1.05	0.1575	95
649039	2	7	1.52	10.39	366	40.64	2359	0.53	0.66	0.1476	130
TBA	1/0	19	2.03	13.26	579	53.34	3756	0.33	0.42	0.1444	170
649041	2/0	19	2.03	14.58	726	58.42	4735	0.27	0.33	0.1411	195
TBA	3/0	19	2.03	15.65	884	63.50	5972	0.21	0.26	0.1378	225
649043	4/0	19	2.03	16.92	1109	68.58	7529	0.17	0.21	0.1345	260
TBA	250	37	2.41	19.00	1313	76.20	8900	0.14	0.17	0.1345	290
649054	350	37	2.41	21.36	1814	86.36	12460	0.10	0.13	0.1312	350
649056	500	37	2.41	24.54	2539	99.06	17800	0.07	0.09	0.1280	430
649058	750	61	2.79	30.48	3795	152.40	26700	0.05	0.06	0.1247	535
649060	1000	61	2.79	34.26	4991	170.18	35600	0.04	0.05	0.1214	615

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