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}

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	0.261	69	1.0	132	0.653	0.786	0.052	55
649033	6	7	60	0.300	108	1.2	209	0.411	0.495	0.051	75
TBA	4	7	60	0.345	155	1.3	333	0.258	0.310	0.048	95
649039	2	7	60	0.403	245	1.6	530	0.162	0.195	0.045	130
TBA	1/0	19	80	0.521	382	2.0	844	0.102	0.122	0.044	170
649041	2/0	19	80	0.574	487	2.2	1064	0.081	0.097	0.043	195
TBA	3/0	19	80	0.616	588	2.4	1342	0.064	0.078	0.042	225
649043	4/0	19	80	0.666	745	2.6	1692	0.051	0.062	0.041	260
TBA	250	37	95	0.748	872	2.9	2000	0.043	0.053	0.041	290
649054	350	37	95	0.841	1218	3.3	2800	0.031	0.039	0.040	350
649056	500	37	95	0.966	1705	3.8	4000	0.022	0.029	0.039	430
649058	750	61	110	1.200	2549	6.0	6000	0.014	0.022	0.038	535
649060	1000	61	110	1.349	3354	6.7	8000	0.011	0.018	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.

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	6.63	103	25.40	587	2.14	2.58	0.1706	55
649033	6	7	1.52	7.62	161	30.48	930	1.35	1.62	0.1673	75
TBA	4	7	1.52	8.76	231	33.02	1482	0.85	1.02	0.1575	95
649039	2	7	1.52	10.24	365	40.64	2359	0.53	0.64	0.1476	130
TBA	1/0	19	2.03	13.23	568	50.80	3756	0.33	0.40	0.1444	170
649041	2/0	19	2.03	14.58	725	55.88	4735	0.27	0.32	0.1411	195
TBA	3/0	19	2.03	15.65	875	60.96	5972	0.21	0.26	0.1378	225
649043	4/0	19	2.03	16.92	1109	66.04	7529	0.17	0.20	0.1345	260
TBA	250	37	2.41	19.00	1298	73.66	8900	0.14	0.17	0.1345	290
649054	350	37	2.41	21.36	1813	83.82	12460	0.10	0.13	0.1312	350
649056	500	37	2.41	24.54	2537	96.52	17800	0.07	0.10	0.1280	430
649058	750	61	2.79	30.48	3793	152.40	26700	0.05	0.07	0.1247	535
649060	1000	61	2.79	34.26	4991	170.18	35600	0.04	0.06	0.1214	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.