

Multi-Conductor, Low-Voltage Power Cables

SPEC 8100



TECK90 (1/C) 1000 V, CSA, Type HL

Cable design: One stranded bare copper conductor insulated with XLPE with applicably sized helically applied bonding (ground) wires, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

Temperature Rating: 90°C

Conductor Size Range: 250 kcmil to 750 kcmil

Industry Listings or Approvals: TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40°C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

SPEC NUMBER	CATALOG NUMBER	COND. SIZE (STRAND.)	NUMBER OF COND.	GROUND WIRE SIZE (AWG)	NOMINAL INSULATION THICKNESS (MILS)	NOMINAL DIAMETER OVER INSULATION (MILS)	NOMINAL DIAMETER OVER ARMOR (INCHES)	NOMINAL DIAMETER OVER JACKET (INCHES)	APPROX. NET WEIGHT (LBS/1000 FT)	APPROX. NET WEIGHT (KG PER KM)
8100	11288.016000	250 (37W)	1	2	90	0.75	1.21	1.29	1490	2210
8100	11288.016200	350 (37W)	1	1	90	0.86	1.30	1.39	1910	2840
8100	11288.016500	500 (37W)	1	1/0	90	0.99	1.42	1.51	2510	3740
8100	11288.891327	750 (61W)	1	2/0	90	1.16	1.59	1.69	3510	5230

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 8150



TECK90 (3/C) 1000 V, CSA, Type HL

Cable design: Three stranded bare copper conductors insulated with XLPE, cabled with an applicably sized bare copper ground wire, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

Temperature Rating: 90°C

Conductor Size Range: 12 AWG to 750 kcmil

Industry Listings or Approvals: TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40°C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

SPEC NUMBER	CATALOG NUMBER	COND. SIZE (STRAND.)	NUMBER OF COND.	GROUND WIRE SIZE (AWG)	NOMINAL INSULATION THICKNESS (MILS)	NOMINAL DIAMETER OVER INSULATION (MILS)	NOMINAL DIAMETER OVER ARMOR (INCHES)	NOMINAL DIAMETER OVER JACKET (INCHES)	APPROX. NET WEIGHT (LBS/1000 FT)	APPROX. NET WEIGHT (KG PER KM)
8150	780260	12 (7W)	3	14	45	0.18	0.72	0.80	299	445
8150	331120	10 (7W)	3	12	45	0.21	0.79	0.88	374	557
8150	793200	8 (7W)	3	10	45	0.24	0.86	0.94	486	723
8150	11288.010600	6 (7W)	3	8	60	0.31	1.03	1.13	724	1078
8150	11288.010400	4 (7W)	3	8	60	0.35	1.16	1.25	970	1444
8150	11288.010300	3 (7W)	3	6	60	0.38	1.22	1.30	1136	1691
8150	11288.010200	2 (7W)	3	6	60	0.42	1.28	1.37	1311	1951
8150	11288.010100	1 (19W)	3	6	80	0.49	1.44	1.54	1593	2371
8150	11288.015100	1/0 (19W)	3	6	80	0.53	1.56	1.68	1906	2837
8150	11288.015200	2/0 (19W)	3	6	80	0.58	1.65	1.77	2225	3311
8150	11288.015300	3/0 (19W)	3	4	80	0.63	1.75	1.87	2666	3976
8150	11288.015400	4/0 (19W)	3	4	80	0.69	1.86	1.98	3207	4772
8150	11288.016000	250 (37W)	3	4	90	0.75	2.05	2.17	3800	5655
8150	11288.016200	350 (37W)	3	3	90	0.86	2.26	2.40	4979	7409
8150	11288.016500	500 (37W)	3	3	90	0.99	2.52	2.66	6586	9798
8150	11288.891327	750 (61W)	3	2	90	1.16	2.89	3.03	9267	13790

Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: <http://gcna.us/catalogs/IndustrialCable>.



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