TEXCAN
Division of Sonepar Canada Inc.

Building Wire

Texcan's building wire ranges from 300 to 1kV and consists of both copper and aluminum product lines, suitable for commercial or residential applications. Each building wire product is available in various constructions as outlined below:

Copper Building Wire

AC90 – CSA C22.2 No.51-95 certified. Solid or stranded bare copper conductor with Cross-Linked Polyethylene (XLPE) or PVC insulation and a bare solid or stranded copper bonding wire.

Bare Copper – ASTM certified. Soft, annealed solid or stranded bare copper conductor.

Green Ground – CSA FT4, CSA C22.2 No. 38 and TC approved for 1/0 AWG or larger. Compact or compressed stranded bare copper conductor with Cross-Linked Polyethylene (XLPE) insulation and green PVC jacket.

NMD90 – CSA FT1, CSA C22.2 No.48-M90 and RoHS compliant. Solid or stranded bare copper conductor with flame-retardant, PVC c/w Nylon sheath insulation or Cross-Linked Polyethylene (XLPE) insulation and PVC jacket.

NMWU – CSA FT1 and CSA C22.2 No.48. Annealed, soft copper with compressed or compact stranding conductor, PVC insulation and black PVC jacket.

RA90 – CSA FT4, AG14, CSA C22.2 No.123-96, RoHS compliant and lead free. Single copper conductor, Cross-Linked Polyethylene (XLPE) insulation and sunlight resistant, low-temperature, low acid and gas and low flame spread PVC jacket.

RW90 – CSA C22.2 No.38. Annealed Class B compressed solid or stranded soft drawn plain copper conductor. Heat and moisture resistant, low-temperature, Cross-Linked Polyethylene (XLPE) insulation. Rated at 600 volts.

RWU90 – CSA C22.2 No. 38. Annealed Class B compressed solid or stranded soft drawn plain copper conductor. Heat and moisture resistant, low-temperature, Cross-Linked Polyethylene (XLPE) insulation. Rated at 1000 volts.

T90 – CSA FT1, CSA C22.2 No. 75 and UL 83. Annealed solid or stranded, soft copper conductor, heat and moisture resistant PVC insulation and nylon jacket.

TW75 – CSA FT1, CSA C22.2 No.75 and lead free. Annealed solid or stranded, soft copper conductor with flame-retardant, heat and moisture resistant PVC insulation.

TWU – CSA FT1 and CSA C22.2 No.75-03. Annealed solid or stranded, soft copper conductor, flame-retardant, low-temperature and moisture resistant PVC insulation.

Aluminum Building Wire

AC90 – CSA C22.2 No.51. Bare ACM aluminum compact or compressed Class B strand conductor. RW90, Cross-Linked Polyethylene (XLPE) or PVC insulation and flexible interlocked aluminum armour.

ACWU – CSA FT4, CSA C22.2 No. 51 and 174, IEEE 1202 and 383, UL 1581, ICEA T-30-520 and OSHA acceptable. Bare ACM aluminum compact or compressed Class B strand conductor. Cross-Linked Polyethylene (XLPE) insulation, flexible interlocked aluminum armour and flame-retardant, moisture and sunlight resistant, black PVC jacket.

NMD90 – CSA FT1 and CSA C22.2 No.48. Bare ACM aluminum compact or compressed Class B strand conductor. Cross-Linked Polyethylene (XLPE) or PVC insulation, bare ACM aluminum ground (bonding) conductor and sunlight and moisture resistant PVC jacket.

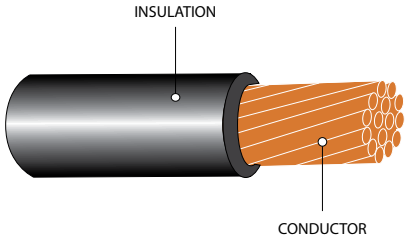
RA90 – CSA FT4. Bare ACM aluminum compact or compressed Class B strand conductor. Heat and moisture resistant, low-temperature, Cross-linked Polyethylene (XLPE) insulation, vapour tight solid corrugated aluminum sheath armour and flame-retardant, moisture and sunlight resistant PVC jacket overall.

RW90 – CSA C22.2 No.38. Bare ACM aluminum compact or compressed Class B strand conductor. Heat and moisture resistant, low-temperature, Cross-Linked Polyethylene (XLPE) insulation. Rated at 600 volts.

RWU90 – CSA C22.2 No.38. Bare ACM aluminum compact or compressed Class B strand conductor. Heat and moisture resistant, low-temperature, Cross-Linked Polyethylene (XLPE) insulation. Rated at 1000 volts.

RW90 Cable 600V

XLPE



SPECIFICATIONS

- CSA C22.2 No. 38

*Refer to CE Code for details

CONSTRUCTION

Conductor: Annealed Class B compressed solid or stranded soft drawn plain copper

Insulation: Heat and moisture resistant, low temperature Cross-Linked Polyethylene (XLPE) Type RW90, -40°C to +90°C

Options: Multiple coloured insulations and aluminum conductor available upon request

Part Number	AWG Size	Insulation Thickness		Approximate Diameter		Copper Content		Net Weight	
		in.	mm.	in.	mm.	LB/MFT	KG/KM	LB/MFT	KG/KM
11001-01-010	**14 (1)**	0.030	0.760	0.120	3.050	12	18	16	23
11001-02-010	**12 (1)**	0.030	0.760	0.140	3.560	12	18	24	36
11001-03-010	**10 (1)**	0.030	0.760	0.160	4.060	20	30	36	54
11001-04-010	**14 (7)**	0.030	0.760	0.130	3.300	20	30	16	24
11001-05-010	**12 (7)**	0.030	0.760	0.150	3.810	31	46	25	38
11001-06-010	**10 (7)**	0.030	0.760	0.170	4.320	32	48	38	57
11001-13-010	**8 (7)**	0.045	1.140	0.230	5.840	50	74	62	93
11001-14-010	**6 (7)**	0.045	1.140	0.270	6.860	78	116	93	139
11001-15-010	**4 (7)**	0.045	1.140	0.320	8.130	129	192	149	221
11001-16-010	**3 (7)**	0.045	1.140	0.340	8.640	163	243	184	274
11001-17-010	**2 (7)**	0.045	1.140	0.370	9.400	200	298	224	334
11001-18-010	**1 (19)**	0.055	1.400	0.430	10.920	258	384	289	430
11001-19-010	**1/0 (19)**	0.055	1.400	0.470	11.940	326	485	361	538
11001-20-010	**2/0 (19)**	0.055	1.400	0.520	13.210	411	612	451	672
11001-21-010	**3/0 (19)**	0.055	1.400	0.570	14.480	507	754	553	823
11001-22-010	**4/0 (19)**	0.055	1.400	0.620	15.750	635	945	686	1021
11001-23-010	**250 (37)**	0.065	1.650	0.690	17.530	772	1149	836	1244
11001-24-010	**300 (37)**	0.065	1.650	0.740	18.796	926	1378	996	1483
11001-25-010	**350 (37)**	0.065	1.650	0.790	20.070	1063	1582	1140	1696
11001-26-010	**400 (37)**	0.065	1.650	0.840	21.230	1235	1838	1318	1961
11001-28-010	**500 (37)**	0.065	1.650	0.920	23.370	1509	2245	1603	2386
11001-31-010	**750 (61)**	0.800	2.030	1.130	28.700	2316	3446	2453	3650
11001-32-010	**1000 (61)**	0.800	2.030	1.280	32.510	3088	4595	3250	4835

Refer to CEC for Ampacity

Note: All dimensions are nominal and are subject to normal manufacturing tolerance.
Specifications are subject to change without prior notice.

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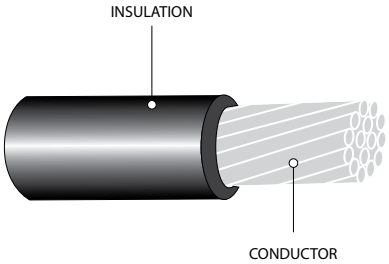
RW90 Cable 600V

XLPE



SPECIFICATIONS

- CSA C22.2 No. 38

*Refer to CE Code for details

CONSTRUCTION

Conductor: Bare ACM aluminum compact or compressed Class B strand

Insulation: Heat and moisture resistant low-temperature Cross-Linked Polyethylene (XLPE) Type RW90, -40°C

Options: Other coloured insulations and copper conductor available upon request

Part Number	AWG Size	Insulation Thickness		Approximate Diameter		Aluminum Content		Net Weight	
		in.	mm.	in.	mm.	LB/MFT	KG/KM	LB/MFT	KG/KM
28001-04-010	**8 (7)**	0.045	1.140	0.240	6.000	15	23	27	40
28001-06-010	**6 (7)**	0.045	1.140	0.270	6.900	24	36	38	57
28001-08-010	**4 (7)**	0.045	1.140	0.320	8.100	39	57	56	84
28001-10-010	**2 (7)**	0.045	1.140	0.380	9.600	61	91	83	123
28001-11-010	**1 (19)**	0.055	1.400	0.440	11.000	78	116	107	160
28001-12-010	**1/0 (19)**	0.055	1.400	0.480	12.100	98	146	131	195
28001-13-010	**2/0 (19)**	0.055	1.400	0.520	13.200	124	184	161	239
28001-14-010	**3/0 (19)**	0.055	1.400	0.570	14.500	156	232	198	295
28001-15-010	**4/0 (19)**	0.055	1.400	0.630	16.000	197	294	245	364
28001-16-010	**250 (37)**	0.065	1.650	0.690	17.600	234	348	292	435
28001-17-010	**300 (37)**	0.065	1.650	0.750	18.900	280	417	345	513
28001-18-010	**350 (37)**	0.065	1.650	0.800	20.200	327	487	397	590
28001-19-010	**400 (37)**	0.065	1.650	0.840	21.400	374	556	449	667
28001-21-010	**500 (37)**	0.065	1.650	0.930	23.500	467	695	551	820
28001-22-010	**600 (61)**	0.080	2.030	1.030	26.200	561	834	670	998
28001-23-010	**750 (61)**	0.080	2.030	1.140	28.800	701	1043	824	1226
28001-24-010	**1000 (61)**	0.080	2.030	1.290	32.600	934	1390	1078	1604

Note: All dimensions are nominal and are subject to normal manufacturing tolerance.
Specifications are subject to change without prior notice.

Refer to CEC for Ampacity