

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.

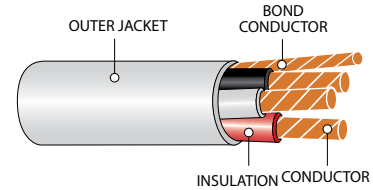
RA90 – CSA FT4. Bare ACM aluminum compact or compressed Class B strand conductor. Heat and moisture resistant, low-temperature, Cross-linked Polyethylene (XLPE) insulation, vapour tight solid corrugated aluminum sheath armour and flame-retardant, moisture and sunlight resistant PVC jacket overall.

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.

NMD90 Nylon Cable 300V

PVC or XLPE/PVC



SPECIFICATIONS

- CSA FT1
- CSA C22.2 No. 48-M90
- RoHS Compliant

*Refer to CE Code for details



CONSTRUCTION

Conductor: Solid or stranded bare copper

Insulation: Flame-retardant (FR) Polyvinyl Chloride (PVC) c/w Nylon sheath insulation or Cross Linked Polyethylene (XLPE) Type RW90

Ground (Bonding) Conductor: Bare solid or stranded copper bonding wire

Outer Jacket: Flame-retardant (FR) and moisture resistant Polyvinyl Chloride (PVC)

Note: Outer colour jackets specific to AWG size and application

Options: Aluminum construction available upon request

2 CONDUCTOR

Part Number	No. of Conductors	AWG Size		Insulation Thickness		Approximate Diameter		Net Weight	
		Cond.	Bond Wire	in.	mm.	in.	mm.	LB/MFT	KG/KM
11015-01-000	2	14	14(1)	0.030	0.760	0.19 x 38	4.8 x 9.7	65	96
11015-03-000	2	12	14(1)	0.030	0.760	0.21 x 41	5.3 x 10.4	83	123
11015-05-000	2	10	12(1)	0.030	0.760	0.23 x 47	5.8 x 11.9	120	178
11016-04-030*	2	8	10 (1)	1.140	0.045	8.4 x 17.0	0.33 x 0.67	212	315
11016-05-030*	2	6	8 (7)	1.140	0.045	9.6 x 20.5	0.38 x 0.81	335	500
11016-06-030*	2	4	8 (7)	1.140	0.045	19.500	0.770	435	650
11016-07-030*	2	3	6 (7)	1.140	0.045	21.900	0.860	575	860
11016-08-030*	2	2	6 (7)	1.140	0.045	23.500	0.930	675	1010

3 CONDUCTOR

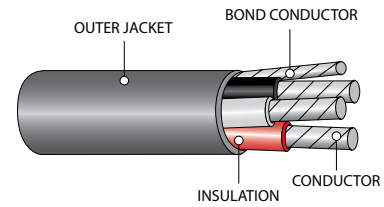
Part Number	No. of Conductors	AWG Size		Insulation Thickness		Approximate Diameter		Net Weight	
		Cond.	Bond Wire	in.	mm.	in.	mm.	LB/MFT	KG/KM
11015-02-000	3	14	14(1)	0.030	0.760	0.340	8.700	83	123
11015-04-000	3	12	14(1)	0.030	0.760	0.360	9.100	104	155
11015-06-000	3	10	12(1)	0.030	0.760	0.400	10.200	150	223
11015-08-000	3	8	10(1)	0.035	0.890	0.610	15.500	275	418
11015-10-000	3	6	8(7)	0.045	1.140	0.900	22.800	400	600
11015-14-000	3	3	6(7)	0.045	1.140	0.920	23.400	775	1150
11015-16-000	3	2	6(7)	0.045	1.140	0.990	25.000	920	1370

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
*Part number incorporates a red jacket

NMD90 Cable 300V

PVC or XLPE/PVC



SPECIFICATIONS

- CSA FT1
 - CSA C22.2 No. 48
- *Refer to CE Code for details



CONSTRUCTION

- Conductor:** Bare ACM aluminum compact or compressed Class B strand
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90 or Polyvinyl Chloride (PVC)
- Ground (Bonding) Conductor:** Bare ACM aluminum compact or compressed Class B strand
- Outer Jacket:** Sunlight and moisture resistant Polyvinyl Chloride (PVC)
- Options:** Other coloured outer jacket and copper conductor available upon request

3 CONDUCTOR

Part Number	No. of Conductors	AWG Size		Insulation Thickness		Approximate Diameter		Net Weight	
		Cond.	Bond Wire	in.	mm.	in.	mm.	LB/MFT	KG/KM
28005-07-090	3	6	8	0.045	1.140	0.666	16.920	277	412
28005-08-000	3	4	6	0.045	1.140	0.812	20.620	417	621
28005-10-000	3	2	6	0.045	1.140	0.952	24.180	608	905

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