

# Triplex Neutral Supported Cable

**Conductor** Two compact aluminum conductors insulated with Linear Low-Density Polyethylene (LLDPE), twisted around a bare compact ACSR stranded neutral conductor (Class A smooth body compact 1350-H19 (full hard) aluminum), which serves as a supporting neutral.



**Temperature** -40°C to 75°C

**Insulation** Linear low-density polyethylene (LLDPE)

**Voltage** 600V

**Application** Intended to deliver single phase power from the secondary overhead power line or pole-mounted transformer to the service entrance conductors at the user's building or other structure. May also be used as pole line secondary with service splices at the pole (also refer to CEC rule 12-318).

**Approvals** CSA C22.2 No. 129 and CAN/USA C61089 standards, as applicable.

## Full Neutral

Product Code	Phase Conductor				ACSR Compact Bare Neutral (4)				Overall		
	AWG Size	No. of Wires (1)	Cond. OD	Nom. Ins. OD	AWG Size	No. of Wires	Rated Strength kN (2)	Cond. OD	Effective OD (mm)	Approx. Weight (kg/km)	Amps (3)
24A0603	6	7	4.29	6.63	6	6/1	5.18	5.03	13	167	95
24A0403	4	7	5.41	7.75	4	6/1	8.14	6.35	16	252	125
24A0203	2	7	6.88	9.14	2	6/1	12.4	8.11	19	383	165
24A03	1/0	7	8.53	11.6	1/0	6/1	18.9	10.1	24	601	220
24A003	2/0	7	9.65	12.6	2/0	6/1	23.5	11.5	27	751	255
24A0003	3/0	7	10.7	13.8	3/0	6/1	29.6	12.8	29	931	290
24A00003	4/0	7	12.1	15.2	4/0	6/1	37.3	14.3	32	1157	335

## Reduced Neutral

Product Code	Phase Conductor				ACSR Compact Bare Neutral (4)				Overall		
	AWG Size	No. of Wires (1)	Cond. OD	Nom. Ins. OD	AWG Size	No. of Wires	Rated Strength kN (2)	Cond. OD	Effective OD	Approx. Weight	Amps (3)
24A04020601	4	7	5.41	7.75	6	6/1	5.18	5.03	15	220	125
24A02020401	2	7	6.88	9.14	4	6/1	8.14	6.35	18	333	165
24A020201	1/0	7	8.53	11.6	2	6/1	12.4	8.11	23	527	220
24A00201	2/0	7	9.65	12.8	1	6/1	15.5	8.99	25	650	255
24A000201	3/0	7	10.7	13.8	1/0	6/1	18.9	10.1	28	803	290
24A00002001	4/0	7	12.1	15.2	2/0	6/1	23.5	11.5	30	996	335

(1) For compact stranded constructions, the number of wires may be reduced as follows:

19-Wire Constructions - 18 Wires Minimum

37-Wire Constructions - 3 Wires Minimum

(2) Rated strengths are based on Can/USA C49.2 standard calculation method.

(3) Ampacity rating is per 2015 CEC Table 36A, at 30°C ambient, with sun-radiated heat energy of 1025 W/m<sup>2</sup>, a wind speed of 0.6 m/s, and maximum conductor temperature of 75°C.

(4) ACSR neutral conductors 266.8 kcmil and larger are concentric round conductors per CAN/CSA C81089.

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