PowrServ® OH Triplex Neutral-Supported Cable Type NS75/NS90

600 V, Aluminum Conductor, XLPE Insulation, ACSR Neutral

Features and Benefits:

The insulated conductors of NS75/NS90 Service Drop Cables are resistant to weathering, sunlight, abrasion, tearing, cutting and chemicals. The cable is rated 600 V with a maximum conductor operating temperature of 90°C for Cross-linked Polyethylene insulation, which allows for higher ampacity compared to NS75 cable.

Applications:

Duplex and Triplex NS75/NS90 Service Drop Cable is 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.

Quadruplex NS75/NS90 Service Drop Cable is intended to deliver three phase power from the secondary overhead power line or pole-mounted transformers to the service entrance conductors at the user's building or other structure.

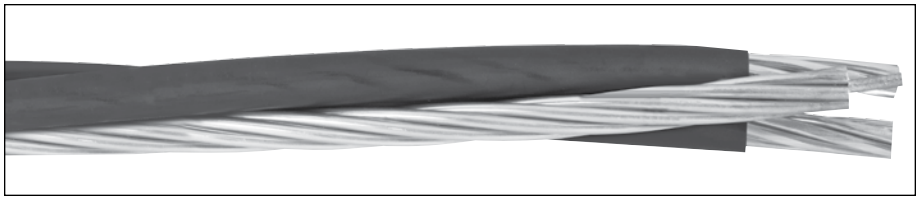
NS75/NS90 cable may also be used as pole line secondary with service splices at the pole (also refer to CEC rule 12-318).

NS75/NS90 cable is rated for use on systems having nominal voltages of 600 V or less.

Options:

- Reduced-size insulated conductor for use as a water heater control conductor
- Colour-coded PVC jackets which are used for phase identification and FT1-rated for flame retardancy
- Alternate phase identification by the use of printed numbers on the black coloured insulation
- Neutral conductor corrosion-resistant inhibitor treatment
- FT1-rated flame-retardant insulation
- Neutral-supported cable is available with annealed copper conductors
- Concentric stranded Class A, 6101-T81 aluminum alloy stranded neutral messenger conductor (A2)
- Concentric stranded Class A, 6101-T81 aluminium alloy – high strength steel-reinforced stranded neutral messenger conductor (A2/S3A, AACSR)
- CSA C68.8 for distribution utilities

For more information, contact your General Cable sales representative or e-mail infoca@generalcable.com.



TRIPLEX TYPE NS75/NS90 – XLPE – ACSR FULL SIZE NEUTRAL – 600 VOLTS

PHASE CONDUCTORS					ACSR COMPACT BARE NEUTRAL (4)				OVERALL		
SIZE (AWG OR kcmil)	NO. OF WIRES (1)	COND. O.D. (mm)	MIN. INS. THKN. (mm)	NOM. INS. O.D. (mm)	SIZE (AWG OR kcmil)	NO. OF WIRES (A1/S1A)	RATED STRENGTH kN (2)	COND. O.D. (mm)	EFFECTIVE O.D. (mm)	APPROX. WEIGHT (kg/km)	AMPACITY (3)
6	7	4.29	1.04	6.63	6	6/1	5.18	5.03	13	167	95
4	7	5.41	1.04	7.75	4	6/1	8.14	6.35	16	252	125
2	7	6.88	1.04	9.14	2	6/1	12.4	8.11	19	383	165
1/0	7	8.53	1.37	11.6	1/0	6/1	18.9	10.1	24	601	220
2/0	7	9.65	1.37	12.6	2/0	6/1	23.5	11.5	27	751	255
3/0	7	10.7	1.37	13.8	3/0	6/1	29.6	12.8	29	931	290
4/0	7	12.1	1.37	15.2	4/0	6/1	37.3	14.3	32	1157	335
266.8	19	13.6	1.83	17.7	266.8	26/7	50.1	16.3	38	1486	390
336.4	19	15.3	1.83	19.4	336.4	26/7	62.3	18.3	42	1844	450
397.5	19	16.7	1.83	20.8	397.5	26/7	71.6	19.9	45	2157	500
477	19	18.3	1.83	22.4	477	26/7	86.0	21.8	49	2565	560

TRIPLEX TYPE NS75/NS90 – XLPE – ACSR REDUCED SIZE NEUTRAL – 600 VOLTS

PHASE CONDUCTORS					ACSR COMPACT BARE NEUTRAL (4)				OVERALL		
SIZE (AWG OR kcmil)	NO. OF WIRES (1)	COND. O.D. (mm)	MIN. INS. THKN. (mm)	NOM. INS. O.D. (mm)	SIZE (AWG OR kcmil)	NO. OF WIRES (A1/S1A)	RATED STRENGTH kN (2)	COND. O.D. (mm)	EFFECTIVE O.D. (mm)	APPROX. WEIGHT (kg/km)	AMPACITY (3)
4	7	5.41	1.04	7.75	6	6/1	5.18	5.03	15	220	125
2	7	6.88	1.04	9.14	4	6/1	8.14	6.35	18	333	165
1/0	7	8.53	1.37	11.6	2	6/1	12.4	8.11	23	527	220
2/0	7	9.65	1.37	12.6	1	6/1	15.5	8.99	25	650	255
3/0	7	10.7	1.37	13.8	1/0	6/1	18.9	10.1	28	803	290
4/0	7	12.1	1.37	15.2	2/0	6/1	23.5	11.5	30	996	335
266.8	19	13.6	1.83	17.7	3/0	6/1	29.6	12.8	35	1282	390
336.4	19	15.3	1.83	19.4	4/0	6/1	37.3	14.3	39	1588	450
397.5	19	16.7	1.83	20.8	266.8	26/7	50.1	16.3	42	1890	500
477	19	18.3	1.83	22.4	336.4	26/7	62.3	18.3	46	2277	560

(1) For compact stranded constructions, the number of wires may be reduced as follows:
19-Wire Constructions – 18 Wires Minimum
37-Wire Constructions – 35 Wires Minimum
(2) Rated strengths are based on CAN/CSA C61089 standard calculation method.
(3) Ampacity rating is per 2015 CEC Table 36A, at 30°C ambient, with sun-radiated heat energy of 1025 W/m², a wind speed of 0.6 m/s, and maximum conductor temperature of 90°C.
(4) ACSR neutral conductors 266.8 kcmil and larger are concentric round conductors per CAN/CSA C61089.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

General Cable

SPC Certified