

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

600 V, Aluminum Conductor, XLPE Insulation, ACSR Neutral



QUADRUPLEX 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	15	224	85
4	7	5.41	1.04	7.75	4	6/1	8.14	6.35	18	335	110
2	7	6.81	1.04	9.14	2	6/1	12.4	8.11	21	507	150
1/0	7	8.53	1.37	11.6	1/0	6/1	18.9	10.1	27	803	200
2/0	7	9.65	1.37	12.6	2/0	6/1	23.5	11.5	30	991	230
3/0	7	10.7	1.37	13.8	3/0	6/1	29.6	12.8	33	1224	265
4/0	7	12.1	1.37	15.2	4/0	6/1	37.3	14.3	36	1519	305
266.8	19	13.6	1.83	17.7	266.8	26/7	50.1	16.3	42	1955	355
336.4	19	15.3	1.83	19.4	336.4	26/7	62.3	18.3	46	2421	410
397.5	19	16.7	1.83	20.8	397.5	26/7	71.6	19.9	50	2828	455
477	19	18.3	1.83	22.4	477	26/7	86.0	21.8	54	3359	510

(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.