

NS75/NS90 TRIPLEX JACKETED AND UNJACKETED FT1 PHYSICAL DATA

Phase Conductor			Full or Reduced Size Neutral Support			Cable Assembly	
Size (Stranding) AWG or kcmil	Diameter (mm)	Jacket Diameter (mm)	Size (Stranding) AWG or kcmil	Area (mm ²)	Rated Strength (kN)	Overall Diameter (mm)	Total Weight (kg/km)
TRIPLEX JACKETED FT1 FULL NEUTRAL							
6 (7)	4.29	8.2	6 (6/1)	15.48	5.20	16.4	217
4 (7)	5.41	9.3	4 (6/1)	24.71	8.14	18.6	307
2 (7)	6.81	10.7	2 (6/1)	39.23	12.41	21.4	446
1 (7)	7.59	13.1	1 (6/1)	49.48	15.48	26.1	615
1/0 (7)	8.53	14.0	1/0 (6/1)	62.39	19.08	28.0	740
2/0 (7)	9.55	15.0	2/0 (6/1)	78.65	23.80	30.1	894
3/0 (7)	10.74	16.2	3/0 (6/1)	99.23	29.67	32.5	1090
4/0 (7)	12.07	17.5	4/0 (6/1)	125.1	37.45	35.3	1320
266.8 (18)	13.64	20.2	266.8 (26/7)	157.2	50.10	41.1	1690
336.4 (18)	15.32	22.9	336.4 (26/7)	198.2	62.31	46.5	2170
397.5 (18)	16.74	24.3	397.5 (26/7)	234.2	72.65	49.6	2500
477 (18)	18.34	25.9	477 (26/7)	281.1	87.17	53.2	2930
500 (18)	18.69	26.2	500 (30/7)	312.5	109.40	54.4	3190
TRIPLEX JACKETED FT1 REDUCED NEUTRAL							
4 (7)	5.41	9.3	6 (6/1)	15.48	5.20	18.6	275
2 (7)	6.81	10.7	4 (6/1)	24.71	8.14	21.4	396
1 (7)	7.59	13.1	2 (6/1)	39.23	12.41	26.1	580
1/0 (7)	8.53	14.0	2 (6/1)	39.23	12.41	28.0	660
2/0 (7)	9.55	15.0	1 (6/1)	49.48	15.48	30.0	792
3/0 (7)	10.74	16.2	1/0 (6/1)	62.39	19.08	32.4	960
4/0 (7)	12.07	17.5	2/0 (6/1)	78.65	23.80	35.1	1160
266.8 (18)	13.64	20.2	3/0 (6/1)	99.2	29.67	40.3	1490
336.4 (18)	15.32	22.9	4/0 (6/1)	125.1	37.45	45.7	1910
397.5 (18)	16.74	24.3	266.8 (26/7)	157.2	50.10	48.6	2230
477 (18)	18.34	25.9	336.4 (26/7)	198.2	62.31	51.9	2640
500 (18)	18.69	26.2	397.5 (26/7)	234.2	72.65	52.9	2840
NS75 with black LLDPE (optionally MDPE) insulation, PVC jacket - 1/c black, 1/c red NS90 with black XLPE insulation, PVC jacket - 1/c black, 1/c red Neutral support conductors 266.8 kcmil and larger are round wire ACSR, minimum Type 16, otherwise Type 100 compact ACSR conductors are used. Overall diameter is the multiplex assembly circumscribing circle diameter							

NS75/NS90 TRIPLEX UNJACKETED FT1 PHYSICAL DATA

Phase Conductor			Full or Reduced Size Neutral Support			Cable Assembly	
Size (Stranding) AWG or kcmil	Diameter (mm)	Insulation Diameter (mm)	Size (Stranding) AWG or kcmil	Area (mm ²)	Rated Strength (kN)	Overall Diameter (mm)	Total Weight (kg/km)
TRIPLEX UNJACKETED FT1 FULL NEUTRAL							
6 (7)	4.29	6.6	6 (6/1)	15.48	5.20	13.3	166
4 (7)	5.41	7.8	4 (6/1)	24.71	8.14	15.6	249
2 (7)	6.81	9.2	2 (6/1)	39.23	12.41	18.6	379
1 (7)	7.59	10.7	1 (6/1)	49.48	15.48	21.7	493
1/0 (7)	8.53	11.7	1/0 (6/1)	62.39	19.06	23.7	608
2/0 (7)	9.55	12.7	2/0 (6/1)	78.65	23.80	25.9	751
3/0 (7)	10.74	13.9	3/0 (6/1)	99.23	29.67	28.5	930
4/0 (7)	12.07	15.2	4/0 (6/1)	125.1	37.45	31.4	1160
266.8 (18)	13.64	17.8	266.8 (26/7)	157.2	50.10	37.3	1490
336.4 (18)	15.32	19.5	336.4 (26/7)	198.2	62.31	41.2	1850
397.5 (18)	16.74	20.9	397.5 (26/7)	234.2	72.65	44.3	2170
477 (18)	18.34	22.5	477 (26/7)	281.1	87.17	48.0	2570
500 (18)	18.69	22.9	500 (30/7)	312.5	109.40	49.3	2830
TRIPLEX UNJACKETED FT1 REDUCED NEUTRAL							
4 (7)	5.41	7.8	6 (6/1)	15.48	5.20	15.5	217
2 (7)	6.81	9.2	4 (6/1)	24.71	8.14	18.3	328
1 (7)	7.59	10.7	2 (6/1)	39.23	8.14	21.4	457
1/0 (7)	8.53	11.7	2 (6/1)	39.23	12.41	23.3	528
2/0 (7)	9.55	12.7	1 (6/1)	49.48	15.48	25.3	650
3/0 (7)	10.74	13.9	1/0 (6/1)	62.39	19.08	27.7	800
4/0 (7)	12.07	15.2	2/0 (6/1)	78.65	23.80	30.4	1000
266.8 (18)	13.64	17.8	3/0 (6/1)	99.23	29.67	35.6	1290
336.4 (18)	15.32	19.5	4/0 (6/1)	125.1	37.45	39.0	1600
397.5 (18)	16.74	20.9	266.8 (26/7)	157.2	50.10	42.3	1900
477 (18)	18.34	22.5	336.4 (26/7)	198.2	62.31	45.9	2280
500 (18)	18.69	22.9	397.5 (26/7)	234.2	72.65	47.3	2480
<p>Code words are from the Aluminum Association Publication 50, 7th Edition, Table C19 for full neutral and C20 for reduced neutral (add " / XLP " suffix for NS90)</p> <p>NS75 with black LLDPE (optionally MDPE) insulation, 1/c printed, 1/c no marking</p> <p>NS90 with black XLPE insulation, 1/c printed, 1/c no marking</p> <p>Neutral support conductors 266.8 kcmil and larger are round wire ACSR, minimum Type 16, otherwise Type 100 compact ACSR conductors are used.</p> <p>Overall diameter is the multiplex assembly circumscribing circle diameter</p>							