



NS75/NS90 Overhead Neutral Supported Jacketed Cable

Phase Conductors				Bare Neutral ACSR Messenger			Cable Diameter	Cable Weight	Ampacity* 75°C/90°C
Size	Number of Strands	Insulation Thickness	Insulation Thickness	Size	Strand	Rated Strength			
AWG/Kcmil		mm	mm	AWG/Kcmil	AL/STEEL	kN	mm	lbs/km	amps
Duplex									
6	7	1.03	0.68	6	6/1	5.18	12.7	298	80/95
4	7	1.03	0.68	4	6/1	8.14	15.0	434	105/125
2	7	1.03	0.68	2	6/1	12.40	18.0	642	140/165
1	18	1.37	1.03	1	6/1	15.50	21.2	866	160/190
1/0	18	1.37	1.03	1/0	6/1	18.90	23.1	1054	185/220
2/0	18	1.37	1.03	2/0	6/1	23.50	25.3	1285	210/255
3/0	18	1.37	1.03	3/0	6/1	29.60	27.8	1575	245/290
4/0	18	1.37	1.03	4/0	6/1	37.30	30.5	1936	280/335
266.8	18	1.83	1.03	266.8	26/7	50.10	36.3	2455	325/390
336.4	18	1.83	1.48	336.4	26/7	62.31	41.0	3137	375/450
397.5	18	1.83	1.48	397.5	26/7	72.65	44.0	3640	415/500
477	18	1.83	1.48	477	26/7	87.17	47.5	4295	460/560
500	18	1.83	1.48	500	30/7	109.40	49.0	4790	500/605
Triplex									
6	7	1.03	0.68	6	6/1	5.18	16.7	477	80/95
4	7	1.03	0.68	4	6/1	8.14	19.0	677	105/125
2	7	1.03	0.68	2	6/1	12.40	21.9	982	140/165
1	18	1.37	1.03	1	6/1	15.50	26.6	1351	160/190
1/0	18	1.37	1.03	1/0	6/1	18.90	28.6	1626	185/220
2/0	18	1.37	1.03	2/0	6/1	23.50	30.7	1963	210/255
3/0	18	1.37	1.03	3/0	6/1	29.60	33.1	2385	245/290
4/0	18	1.37	1.03	4/0	6/1	37.30	35.9	2907	280/335
266.8	18	1.83	1.03	266.8	26/7	50.10	41.2	3702	325/390
336.4	18	1.83	1.48	336.4	26/7	62.31	46.7	4750	375/450
397.5	18	1.83	1.48	397.5	26/7	72.65	49.6	5483	415/500
477	18	1.83	1.48	477	26/7	87.17	52.9	6428	460/560
500	18	1.83	1.48	500	30/7	109.40	53.9	7003	500/605
Quadruplex									
6	7	1.03	0.68	6	6/1	5.18	17.9	658	70/85
4	7	1.03	0.68	4	6/1	8.14	20.4	924	95/110
2	7	1.03	0.68	2	6/1	12.40	23.7	1327	125/150
1	18	1.37	1.03	1	6/1	15.50	28.7	1843	145/170
1/0	18	1.37	1.03	1/0	6/1	18.90	30.8	2207	165/200
2/0	18	1.37	1.03	2/0	6/1	23.50	33.2	2651	190/230
3/0	18	1.37	1.03	3/0	6/1	29.60	36.2	3208	220/265
4/0	18	1.37	1.03	4/0	6/1	37.30	39.4	3895	255/305
266.8	18	1.83	1.03	266.8	26/7	50.10	46.0	4971	290/355
336.4	18	1.83	1.48	336.4	26/7	62.31	52.1	6390	335/410
397.5	18	1.83	1.48	397.5	26/7	72.65	55.6	7357	370/455
477	18	1.83	1.48	477	26/7	87.17	59.7	8599	415/510
500	18	1.83	1.48	500	30/7	109.40	61.0	9259	450/555

*The ampacity ratings are based on Table 36A of the Canadian Electrical Code (CSA C22.1) at ambient temperature of 30°C. All values are nominal and subject to correction

1-877-611-5122

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NS75/NS90 Overhead Neutral Supported Jacketed Cable

Application: NS75/NS90 jacketed cables are used for service drop applications and as secondary distribution cables. Our cables are dual listed NS75 & NS90.

Conductors: 2, 3, or 4 Aluminum alloy 1350-H19 hard drawn compact round conductors cabled around a neutral conductor

Insulation: Abrasion, heat and moisture resistant cross linked polyethylene (XLP) insulation

Neutral: Compact round ASCR neutral. For sizes 266.8kcmil and greater, ACSR neutral conductors shall be in concentric round stranding

Jacket: Heat and moisture resistant poly-vinyl chloride (PVC) jacket, which has a temperature range of -40°C to +90°C

Standards: NS75/NS90 cables meet or exceed the following standards
 CSA C22.C No. 129
 CSA listed NS75 & NS90
 Sunlight resistant

Color Code:

Cable Construction	Phase 1	Phase2	Phase 3
Duplex	Black PVC with print legend	-	-
Triplex	Black PVC with print legend	Red PVC	-
Quadruplex	Black PVC with print legend	Red PVC	Blue PVC

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NS75/NS90 Overhead Neutral Supported Non-Jacketed Cable

Phase Conductors			Bare Neutral ACSR Messenger			Cable Diameter	Cable Weight	Ampacity* 75°C/90°C
Size	Number of Strand	Insulation Thickness	Size	Strand	Rated Strength			
AWG/Kcmil		mm	AWG/Kcmil	AL/STEEL	kN	mm	lbs/km	amps
Duplex								
6	7	1.03	6	6/1	5.18	11.2	242	80/95
4	7	1.03	4	6/1	8.14	13.5	369	105/125
2	7	1.03	2	6/1	12.40	16.5	567	140/165
1	18	1.37	1	6/1	15.50	18.9	732	160/190
1/0	18	1.37	1/0	6/1	18.90	20.8	909	185/220
2/0	18	1.37	2/0	6/1	23.50	23.0	1128	210/255
3/0	18	1.37	3/0	6/1	29.60	25.5	1405	245/290
4/0	18	1.37	4/0	6/1	37.30	28.2	1751	280/335
266.8	18	1.83	266.8	26/7	50.10	34.0	2240	325/390
336.4	18	1.83	336.4	26/7	62.31	37.7	2793	375/450
397.5	18	1.83	397.5	26/7	72.65	40.7	3273	415/500
477	18	1.83	477	26/7	87.17	44.2	3901	460/560
500	18	1.83	500	30/7	109.40	45.8	4391	500/605
Triplex								
6	7	1.03	6	6/1	5.18	13.6	365	80/95
4	7	1.03	4	6/1	8.14	15.9	549	105/125
2	7	1.03	2	6/1	12.40	18.7	832	140/165
1	18	1.37	1	6/1	15.50	21.9	1082	160/190
1/0	18	1.37	1/0	6/1	18.90	23.8	1335	185/220
2/0	18	1.37	2/0	6/1	23.50	25.9	1649	210/255
3/0	18	1.37	3/0	6/1	29.60	28.4	2044	245/290
4/0	18	1.37	4/0	6/1	37.30	31.1	2536	280/335
266.8	18	1.83	266.8	26/7	50.10	37.1	3272	325/390
336.4	18	1.83	336.4	26/7	62.31	41.0	4061	375/450
397.5	18	1.83	397.5	26/7	72.65	44.2	4747	415/500
477	18	1.83	477	26/7	87.17	47.8	5640	460/560
500	18	1.83	500	30/7	109.40	49.2	6203	500/605
Quadruplex								
6	7	1.03	6	6/1	5.18	14.7	490	70/85
4	7	1.03	4	6/1	8.14	17.5	731	95/110
2	7	1.03	2	6/1	12.40	20.9	1102	125/150
1	18	1.37	1	6/1	15.50	24.3	1439	145/170
1/0	18	1.37	1/0	6/1	18.90	26.5	1770	165/200
2/0	18	1.37	2/0	6/1	23.50	29.1	2180	190/230
3/0	18	1.37	3/0	6/1	29.60	32.0	2697	220/265
4/0	18	1.37	4/0	6/1	37.30	35.3	3338	255/305
266.8	18	1.83	266.8	26/7	50.10	41.9	4325	290/355
336.4	18	1.83	336.4	26/7	62.31	46.1	5354	335/410
397.5	18	1.83	397.5	26/7	72.65	49.7	6251	370/455
477	18	1.83	477	26/7	87.17	53.7	7415	415/510
500	18	1.83	500	30/7	109.40	55.1	8057	450/555

*The ampacity ratings are based on Table 36A of the Canadian Electrical Code (CSA C22.1) at ambient temperature of 30°C.
All values are nominal and subject to correction

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NS75/NS90 Overhead Neutral Supported Non-Jacketed Cable

Application: NS75/NS90 non-jacketed cables are used for service drop applications and as secondary distribution cables. Our cables are dual listed NS75 & NS90.

Conductors: 2, 3, or 4 Aluminum alloy 1350-H19 hard drawn compact round conductors cabled around a neutral conductor

Insulation: Abrasion, heat and moisture resistant cross linked polyethylene (XLP) insulation rated 90°C/-40°C

Neutral: Compact round ASCR neutral. For sizes 266.8kcmil and greater, ASCR neutral conductors shall be in concentric round stranding

Standards: NS75/NS90 cables meet or exceed the following standards
 CSA C22.C No. 129
 CSA listed NS75 & NS90
 Sunlight resistant

Phase ID:

Cable Construction	Phase 1	Phase2	Phase 3
Duplex	Black with print legend	-	-
Triplex	Black with print legend	Black with 3 red stripes	-
Quadruplex	Black with print legend	Black with 3 red stripes	Black with 3 blue stripes

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