

NYM - 300/500 VOLT

SPLN 42-2 / IEC 60227-4

COPPER CONDUCTOR , PVC INSULATED AND PVC SHEATHED CABLE

DIMENSIONAL & MECHANICAL DATA

No of cores	Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Overall diameter		Approximately net weight	Bending Diameter, min	Standard delivery length
				Insulation	Outer sheath	Min	Max			
pcs	mm ²	pcs	-	mm	mm	mm		Kg/Km	mm	m
2	1.5	1	re	0.7	1.2	8.4	10.0	121	160	100/Coil
2	1.5	7	rm	0.7	1.2	8.4	10.5	125	160	100/Coil
2	2.5	1	re	0.8	1.2	9.6	11.5	163	180	100/Coil
2	2.5	7	rm	0.8	1.2	9.6	12.0	176	190	100/Coil
2	4	1	re	0.8	1.2	10.5	12.5	210	220	1,000/drum
2	4	7	rm	0.8	1.2	10.5	13.0	229	250	1,000/drum
2	6	1	re	0.8	1.2	11.5	13.5	269	220	1,000/drum
2	6	7	rm	0.8	1.2	11.5	14.0	293	240	1,000/drum
2	10	1	re	1.0	1.4	14.5	16.5	441	290	1,000/drum
2	10	7	rm	1.0	1.4	15.0	17.5	483	310	1,000/drum
2	16	7	rm	1.0	1.4	16.5	20.0	662	360	1,000/drum
2	25	7	rm	1.2	1.4	20.5	24.0	1,002	430	1,000/drum
2	35	7	rm	1.2	1.6	23.0	27.5	1,337	500	1,000/drum
3	1.5	1	re	0.7	1.2	8.8	10.5	141	160	100/Coil
3	1.5	7	rm	0.7	1.2	8.8	11.0	146	170	100/Coil
3	2.5	1	re	0.8	1.2	10.0	12.0	194	190	100/Coil
3	2.5	7	rm	0.8	1.2	10.0	12.5	209	200	100/Coil
3	4	1	re	0.8	1.2	11.0	13.0	255	210	1,000/drum
3	4	7	rm	0.8	1.2	11.0	13.5	277	230	1,000/drum
3	6	1	re	0.8	1.4	12.5	14.5	345	240	1,000/drum
3	6	7	rm	0.8	1.4	12.5	15.5	373	260	1,000/drum
3	10	1	re	1.0	1.4	15.5	17.5	547	300	1,000/drum
3	10	7	rm	1.0	1.4	15.5	19.0	595	320	1,000/drum
3	16	7	rm	1.0	1.4	18.0	21.5	854	380	1,000/drum
3	25	7	rm	1.2	1.6	22.0	26.0	1,288	460	1,000/drum
3	35	7	rm	1.2	1.6	24.5	29.0	1,694	520	1,000/drum
4	1.5	1	re	0.7	1.2	9.6	4.5	167	170	100/Coil
4	1.5	7	rm	0.7	1.2	9.6	12.0	172	180	100/Coil
4	2.5	1	re	0.8	1.2	11.0	13.0	233	200	100/Coil
4	2.5	7	rm	0.8	1.2	11.0	13.5	251	210	100/Coil
4	4	1	re	0.8	1.2	12.0	14.5	322	230	1,000/drum
4	4	7	rm	0.8	1.2	12.5	15.0	349	250	1,000/drum
4	6	1	re	0.8	1.4	14.0	16.0	439	260	1,000/drum
4	6	7	rm	0.8	1.4	14.0	17.0	473	280	1,000/drum
4	10	1	re	1.0	1.4	16.5	19.0	673	320	1,000/drum
4	10	7	rm	1.0	1.4	17.0	20.5	730	350	1,000/drum
4	16	7	rm	1.0	1.4	20.0	23.5	1,053	410	1,000/drum
4	25	7	rm	1.2	1.4	24.5	28.5	1,629	500	1,000/drum
4	35	7	rm	1.2	1.6	27.0	32.0	2,108	560	1,000/drum
5	1.5	1	re	0.7	1.2	10.0	12.0	198	190	100/Coil
5	1.5	7	rm	0.7	1.2	10.0	12.5	206	190	100/Coil
5	2.5	1	re	0.8	1.2	11.5	14.0	280	220	1,000/drum
5	2.5	7	rm	0.8	1.2	12.0	14.5	303	230	1,000/drum
5	4	1	re	0.8	1.4	13.5	16.0	406	250	1,000/drum
5	4	7	rm	0.8	1.4	14.0	17.0	437	270	1,000/drum
5	6	1	re	0.8	1.4	15.0	17.5	531	280	1,000/drum
5	6	7	rm	0.8	1.4	15.5	18.5	571	300	1,000/drum
5	10	1	re	1.0	1.4	18.0	21.0	817	340	1,000/drum
5	10	7	rm	1.0	1.4	18.5	22.0	887	370	1,000/drum
5	16	7	rm	1.0	1.6	22.0	26.0	1,311	440	1,000/drum
5	25	7	rm	1.2	1.6	27.0	31.5	1,988	540	1,000/drum
5	35	7	rm	1.2	1.6	30.0	35.0	2,623	610	1,000/drum

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity in AIR at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min			
			2 cores	3,4,5 cores	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	11	19	17	0.19
2.5	7.41	9	25	22	0.32
4	4.61	8	34	30	0.50
6	3.08	7	44	39	0.73
10	1.83	6	61	54	1.20
16	1.15	5	82	73	1.91
25	0.727	5	108	96	2.96
35	0.524	4	134	119	4.13