

LOW VOLTAGE UNDERGROUND CABLE (PVC INSULATED,  
GALVANIZED STEEL FLAT/WIRE ARMoured AND PVC SHEATHED  
NAYFGbY & NAYRGbY - Ø (I) 0.6/1 kV



PHYSICAL PROPERTIES

No. of core	Nominal cross section	Conductor		Insulation thickness	Sheath thickness	Approx. overall diameter	Approx. cable weight	Standard length
		Construction	Min. no. of wire					
	mm <sup>2</sup>			mm	mm	mm	kg/km	m
2	16	rm	7	1.0	1.8	20.6	860	500
	25	rm	7	1.2	2.0	24.8	1,206	500
	35	rm	7	1.2	2.0	26.8	1,410	500
	50	rm	19	1.4	2.0	31.0	1,721	500
	70	rm	19	1.4	2.2	33.9	2,133	500
	95	rm	19	1.6	2.2	37.8	2,665	500
	120	rm	37	1.6	2.2	41.3	3,155	500
	150	rm	37	1.8	2.6	44.8	3,738	500
	185	rm	37	2.0	2.6	49.5	4,417	500
	240	rm	61	2.2	3.0	56.2	5,594	500
	300	rm	61	2.4	3.0	62.5	6,807	500
3	16	rm	7	1.0	1.8	21.6	1,007	500
	25	rm	7	1.2	2.0	26.5	1,340	500
	35	rm/sm	7	1.2	2.0	30.8	1,578	500
	50	rm/sm	19	1.4	2.0	33.0	1,988	500
	70	sm	19	1.4	2.2	36.4	2,376	500
	95	sm	19	1.6	2.2	41.0	3,059	500
	120	sm	37	1.6	2.2	44.5	3,569	500
	150	sm	37	1.8	2.6	48.7	4,182	250
	185	sm	37	2.0	2.6	53.7	5,072	250
	240	sm	61	2.2	3.0	60.2	6,317	250
	300	sm	61	2.4	3.0	65.9	7,692	250
4	16	rm	7	1.0	1.8	24.5	1,147	500
	25	rm	7	1.2	2.0	28.6	1,539	500
	35	rm/sm	7	1.2	2.0	31.1	1,822	500
	50	rm/sm	19	1.4	2.0	36.0	2,299	500
	70	sm	19	1.4	2.2	39.5	2,728	500
	95	sm	19	1.6	2.2	44.7	3,623	500
	120	sm	37	1.6	2.6	49.6	4,280	500
	150	sm	37	1.8	2.6	54.4	5,111	250
	185	sm	37	2.0	2.6	59.3	6,078	250
	240	sm	61	2.2	3.0	66.6	7,646	250
	300	sm	61	2.4	3.4	73.8	9,325	250

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**ELECTRICAL PROPERTIES**

No. of core	Nominal cross section	Resistance at 20° C		Current carrying capacity in		Short circuit current at 1 sec	AC voltage test
		Conductor	Insulation	Ground 30° C	Air 30° C		
	mm <sup>2</sup>	ohm/km	M.ohm.km	A	A	kA	kV/5 min
2	16	1.910	26	69	62	1.22	3.5
	25	1.200	26	89	82	1.90	3.5
	35	0.868	22	107	100	2.66	3.5
	50	0.641	22	129	125	3.80	3.5
	70	0.443	19	156	155	5.32	3.5
	95	0.320	18	191	190	7.22	3.5
	120	0.253	16	220	220	9.12	3.5
	150	0.206	16	245	250	11.40	3.5
	185	0.164	16	275	285	14.07	3.5
	240	0.125	16	320	340	18.25	3.5
300	0.100	15	365	390	22.81	3.5	
3	16	1.910	26	69	62	1.22	3.5
	25	1.200	26	89	82	1.90	3.5
	35	0.868	22	107	100	2.66	3.5
	50	0.641	22	129	125	3.80	3.5
	70	0.443	19	156	155	5.32	3.5
	95	0.320	18	191	190	7.22	3.5
	120	0.253	16	220	220	9.12	3.5
	150	0.206	16	245	250	11.40	3.5
	185	0.164	16	275	285	14.07	3.5
	240	0.125	16	320	340	18.25	3.5
300	0.100	15	365	390	22.81	3.5	
4	16	1.910	26	69	62	1.22	3.5
	25	1.200	26	89	82	1.90	3.5
	35	0.868	22	107	100	2.66	3.5
	50	0.641	22	129	125	3.80	3.5
	70	0.443	19	156	155	5.32	3.5
	95	0.320	18	191	190	7.22	3.5
	120	0.253	16	220	220	9.12	3.5
	150	0.206	16	245	250	11.40	3.5
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