

## 0.6/1 kV NYY-SWA

2 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH ARMOUR



### Construction

1. Conductor : Solid or circular stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)  
Colour code : Light Blue, Brown
3. Inner covering : Polyvinyl chloride (PVC), Black colour
4. Armour : Galvanized steel wires
5. Binding tape : Polyester tape and/or Spunbond tape
6. Outer sheath : Polyvinyl chloride (PVC), Black colour

### Reference Standard :

IEC 60502-1

### Classification

- Maximum conductor temperature : 70°C  
 Maximum circuit voltage : 1,000 V  
 AC test voltage : 3,500 V

### Application

For installation in underground or direct burial in ground.

Cross-sectional area mm <sup>2</sup>	Conductor		Thickness of insulation mm (Nominal)	Thickness of inner covering mm (Approx.)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC, conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
	No. of wires (Min.)	Diameter mm (Approx.)										
1.5	1	1.36	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	380	500
1.5	7	1.53	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	400	500
2.5	1	1.75	0.8	1.0	9.5	0.8	1.8	15.5	7.41	27	440	500
2.5	7	1.98	0.8	1.0	10.0	0.8	1.8	16.0	7.41	27	460	500
4	1	2.21	1.0	1.0	11.5	1.3	1.8	18.5	4.61	36	670	500
4	7	2.49	1.0	1.0	12.0	1.3	1.8	19.0	4.61	36	710	500
6	7	3.09	1.0	1.0	13.5	1.3	1.8	20.0	3.08	46	820	500
10	7	3.99	1.0	1.0	15.0	1.3	1.8	22.0	1.83	63	1,000	500
16	7	5.01	1.0	1.0	17.0	1.3	1.8	24.0	1.15	84	1,240	500
25	7	6.30	1.2	1.0	20.5	1.6	1.8	28.5	0.727	110	1,840	500
35	7	7.55	1.2	1.0	23.0	1.6	1.8	31.0	0.524	135	2,220	500
50	19	8.75	1.4	1.0	26.5	1.6	1.9	34.5	0.387	165	2,750	500
70	19	10.50	1.4	1.0	30.0	2.0	2.1	39.0	0.268	205	3,740	500
95	19	12.35	1.6	1.2	35.0	2.0	2.2	44.5	0.193	250	4,820	400
120	37	13.93	1.6	1.2	38.0	2.0	2.3	48.0	0.153	290	5,660	400
150	37	15.47	1.8	1.2	42.0	2.5	2.5	53.5	0.124	330	7,170	300
185	37	17.29	2.0	1.4	47.0	2.5	2.6	58.5	0.0991	375	8,640	250
240	37	19.89	2.2	1.4	53.5	2.5	2.8	65.0	0.0754	435	10,680	200
300	61	22.23	2.4	1.6	59.5	2.5	3.0	71.5	0.0601	495	12,890	100
400	61	25.20	2.6	1.6	66.0	2.5	3.2	79.0	0.0470	560	15,780	100