



SM (CABLES)
L I M I T E D



NYY (YVV)

PVC Insulated Power Cable
rated at 0.6/1kV

Construction

1. Conductor : Solid Copper Class 1
: Stranded Copper Class 2
2. Insulation : PVC/A to IEC 60502-1
3. Bedding : PVC
4. Outer Sheath : ST 1 - Black Colour

Application

Installation in walls, on boards, in channel or embedded in plaster. Used in industrial plants as power cables

Technical Data

Minimum Bending Radius: 6 x D
Maximum Operating Temperature: 70°C
Short Circuit Temperature: 160°C

Standards

IEC 60502-1

Marking

SM CABLES IEC 60502-1 NYN 0.6/1kV MADE IN MALTA - EUROPE (EU) # X ####mm²

Nominal Cross Section mm ²	Overall Dimensions mm approx.	Net Weight kg/km approx.	Conductor DC Resitance at 20°C max. ohm/km	Current Carrying Capacity In Air (A)	
Single Core					
1 x 10	8.65	158.4	1.83	78	66
1 x 16	9.60	219.2	1.15	103	89
1 x 25	11.00	319.7	0.727	137	118
1 x 35	12.10	417.3	0.524	169	145
1 x 50	13.80	561.1	0.387	206	176
1 x 70	15.30	765.9	0.268	261	224
1 x 95	17.60	1033	0.193	321	271
1 x 120	19.50	1297.2	0.153	374	314
1 x 150	21.00	1583.4	0.124	428	361
1 x 185	23.20	1941.6	0.0991	494	412
1 x 240	26.60	2527.8	0.0754	590	484
Two Core					
2 x 10	16.30	48.9	1.83	78	66
2 x 16	18.80	685.9	1.15	103	89
2 x 25	21.20	944.7	0.727	137	118
2 x 35	23.40	1210.7	0.524	169	145
2 x 50	27.00	1638.1	0.387	206	176
2 x 70	31.00	2257.2	0.268	261	224
2 x 120	39.9	3831.1	0.153	314	





Nominal Cross Section mm ²	Overall Dimensions mm approx.	Net Weight kg/km approx.	Conductor DC Resistance at 20°C max. ohm/km	Current Carrying Capacity In Air (A)
Three Core				
3 x 10	17.50	602.3	1.83	60
3 x 16	19.50	815.7	1.15	80
3 x 25	22.60	1187.7	0.727	106
3 x 35	24.90	1531.2	0.524	131
3 x 50	28.80	2080.3	0.387	159
3 x 70	32.30	2817.4	0.268	202
3 x 95	37.10	3782.1	0.193	244
3 x 120	41.00	4719	0.153	282
3 x 150	44.50	5750.1	0.124	324
3 x 185	49.20	7047.3	0.0991	371
3 x 240	56.70	9236.3	0.0754	436
Four Core				
4 x 10	19.00	739.7	1.83	60
4 x 16	21.50	1028.6	1.15	80
4 x 25	24.90	1501.4	0.727	106
4 x 35	27.60	1954.3	0.524	131
4 x 50	31.90	2649.4	0.387	159
4 x 70	35.90	3612.8	0.268	202
4 x 95	41.20	4847.9	0.193	244
4 x 120	45.50	6049.3	0.153	282
4 x 150	50.80	7537.6	0.124	324
4 x 185	55.60	9111.8	0.0991	371
4 x 240	64.70	12165.5	0.0754	436
Five Core				
5 x 10	19.00	739.7	1.83	60
5 x 16	21.50	1028.6	1.15	80
5 x 25	24.90	1501.4	0.727	106
5 x 35	27.60	1954.3	0.524	131
5 x 50	31.90	2649.4	0.387	159
5 x 70	35.90	3612.8	0.268	202

* other sizes are also available