

# NYCY Energy Cable

## Cable Application

NYCY cable and NYCWY cable is used as a energy supply cables for power stations, street lighting and underground and in water. For static installation where no mechanical damage is expected. As well as control distribution boards cable where increased electrical and mechanical protection is required.

## Technical Information

<b>Conductor:</b>	According to VDE 0295 and IEC 60228, class 1 single wire conductors
<b>Core insulation:</b>	PVC and colour coded to VDE 0293, more than 6 cores number coded
<b>Bedding:</b>	PVC
<b>Concentric Conductor:</b>	Stranded concentrically • Concentric conductors in inner layer of round copper wires, outer layer with copper tape
<b>Outer Sheath:</b>	PVC Black
<b>Voltage Rating:</b>	0.6 - 1kV
<b>Temperature Range:</b>	<b>Flexing:</b> - 5°C to + 50°C • <b>Static:</b> -30°C to + 70°C
<b>Bending Radius:</b>	Single conductor 15 x Ø • Multi conductor 12 x Ø

## Core Marketing

**NYJ:** With protective earth

Number of cores and cross section mm <sup>2</sup>	Copper weight kg/km	Approximate outside in mm ca.	Approximate weight kg/100m
2 x 1.5 RE /1.5	52.0	13.0	245
3 G 1.5 RE/1.5	66.0	14.0	290
4 G 1.5 RE/1.5	81.0	15.0	330
7 G 1.5 RE/2.5	133.0	17.0	440
10 G 1.5 RE/2.5	176.0	19.0	550
12 G 1.5 RE/2.5	205.0	20.0	620
14 G 1.5 RE/2.5	235.0	21.0	680
19 G 1.5 RE/4	320.0	23.0	840
24 G 1.5 RE/6	415.0	26.0	1,030
30 G 1.5 RE/6	500.0	27.0	1,180
40 G 1.5 RE/10	696.0	30.0	1,500
2 x 2.5 RE/2.5	80.0	14.0	310
3 G 2.5 RE/2.5	105.0	15.0	350
4 G 2.5 RE/2.5	128.0	16.0	410
7 G 2.5 RE/2.5	200.0	18.0	540
10 G 2.5 RE/4	286.0	21.0	730
12 G 2.5 RE/4	334.0	22.0	800
14 G 2.5 RE/6	403.0	23.0	900
19 G 2.5 RE6	523.0	25.0	1,090
24 G 2.5 RE/10	696.0	28.0	1,370
30 G 2.5 RE/10	840.0	30.0	1,580
40 G 2.5 RE/10	1,080.0	33.0	1,970
3 G 4 RE/4	161.0	16.0	480
4 G 4 RE / 4	200.0	18.0	550



NYCY Energy Cable

Number of cores and cross section mm <sup>2</sup>	Copper weight kg/km	Approximate outside in mm ca.	Approximate weight kg/100m
3 G 6 RE / 6	240.0	18.0	590
4 G 6 RE / 6	297.0	19.0	690
<b>NYCWY Cable*</b>			
2 G 10 RE/10	312.0	19.0	680
3 G 10 RE/10	408.0	20.0	780
4 G 10 RE/10	504.0	21.0	910
3 G 16 RE/16	643.0	22.0	1,100
4 G 16 RE/16	796.0	24.0	1,250
3 G 25 RM/25	1,003.0	27.0	1,650
4 G 25 RM/16	1,142.0	29.0	1,850
3 G 35 SM/16	1,190.0	26.0	1,170
3 G 35 SM/35	1,402.0	27.0	1,990
4 G 35 SM/16	1,526.0	29.0	2,150
3 G 50 SM/25	1,723.0	30.0	2,300
3 G 50 SM/50	2,000.0	31.0	2,500
4 G 50 SM/25	2,203.0	34.0	2,950
3 G 70 SM/35	2,410.0	34.0	3,150
3 G 70 SM/70	2,796.0	34.0	3,500
4 G 70 SM/35	3,082.0	38.0	3,950
3 G 95 SM/50	3,296.0	39.0	4,200
3 G 95 SM/95	3,791.0	39.0	4,700
4 G 95 SM/50	4,208.0	43.0	5,300
4 G 120 SM/70	5,388.0	47.0	6,650
4 G 150 SM/70	6,540.0	51.0	7,950
4 G 185 SM/95	8,159.0	57.0	9,900

\* As per NYCY cable but with an additional inner layer of corrugated copper wires with an outer layer of copper tape

**re** = round conductor, solid

**rm** = round conductor, stranded

**sm** = sectorial conductor, stranded

Also available in low smoke halogen free versions.