

## NYY: PVC/PVC Unarmoured Power – 0.6/1kV

NYY cables are an economical form of power and control wiring where mechanical protection is not required. Used both indoors and outdoors these cables are suitable for direct burial or through ducts - local regulations permitting. Originating in Germany they are now popular in many parts of the world where cost, weight and size savings through not having an armour can be very attractive. They are also easy to gland and terminate.

### Construction

Plain copper wire conductors to IEC 60228 class 1 or 2, PVC insulation, bedding compound, PVC sheath – black. NYY can be supplied with a green/yellow earth conductor - reference NYY-J or without an earth conductor – reference NYY-O.

### Technical Information

<b>Voltage Rating:</b>	0.6/1kV
<b>Conductor Stranding:</b>	≥ 16 mm <sup>2</sup> solid. IEC 60228 class 1 ≥ 25 mm <sup>2</sup> stranded. IEC 60228 class 2
<b>Temperature Rating:</b>	-30°C to +70°C fixed -5°C to +70°C for installation
<b>Bending Radius:</b>	Single core 15 x overall diameter Multi core 12 x overall diameter
<b>Flame Retardant:</b>	VDE 0472 test B, IEC 60332-1-2, EN 50265-2-1
<b>Manufactured To:</b>	VDE 0276 pt 603 up to 5 core, pt 627 for 7 core & above, IEC 60502
<b>Alternative References:</b>	E-YY, TT, XVB, PVILD, BS 7889

### Core Identification

Type	NYY-J with protective earth	NYY-O without protective earth
1 Core	Green/yellow	Black
2 Core	-	Brown, blue
3 Core	Brown, blue, G/Y earth	Brown, black, grey
4 Core	Brown, black, grey, G/Y earth	Brown, black, grey, blue
5 Core	Brown, black, grey, blue, G/Y earth	Black, blue, brown, grey, black
7 Core and above	Number coded with a G/Y earth	Number coded

For type NYY-J (with green/yellow earth) suffix part code "E"

Part No.	Core x Size mm <sup>2</sup>	Weight kg/km	O/D mm
N0100102	2 x 1.5	165	11.0
N0100103	3 x 1.5	185	12.5
N0100104	4 x 1.5	220	13.0
N0100105	5 x 1.5	275	13.5
N0100107	7 x 1.5	355	15.0
N0100110	10 x 1.5	525	18.5
N0100112	12 x 1.5	565	19.0
N0100114	14 x 1.5	615	20.5
N0100116	16 x 1.5	695	20.5
N0100121	21 x 1.5	825	21.5
N0100124	24 x 1.5	945	24.5
N0100130	30 x 1.5	1105	25.5

Part No.	Core x Size mm <sup>2</sup>	Weight kg/km	O/D mm
N0100140	40 x 1.5	1355	28.0
N0100152	52 x 1.5	1445	31.5
N0100161	61 x 1.5	1680	32.5
N0100202	2 x 2.5	210	12.0
N0100203	3 x 2.5	235	13.0
N0100204	4 x 2.5	285	13.5
N0100205	5 x 2.5	350	14.5
N0100207	7 x 2.5	445	16.0
N0100210	10 x 2.5	625	20.0
N0100212	12 x 2.5	675	20.5
N0100214	14 x 2.5	785	21.0

Part No.	Core x Size mm <sup>2</sup>	Weight kg/km	O/D mm	Part No.	Core x Size mm <sup>2</sup>	Weight kg/km	O/D mm
N0100216	16 x 2.5	865	22.5	N0102504	4 x 25	1605	27.5
N0100221	21 x 2.5	1045	23.5	N0102505	5 x 25	1545	30.0
N0100224	24 x 2.5	1395	26.0	N0103501	1 x 35	470	13.0
N0100230	30 x 2.5	1445	28.5	N0103503	3 x 35	1400	24.5
N0100240	40 x 2.5	1805	31.0	N0103504	4 x 35	1760	27.0
N0100252	52 x 2.5	2255	35.0	N0103505	5 x 35	2400	34.0
N0100402	2 x 4.0	295	14.0	N0105001	1 x 50	621	15.0
N0100403	3 x 4.0	325	16.0	N0105003	3 x 50	1800	26.0
N0100404	4 x 4.0	395	17.0	N0105004	4 x 50	2343	29.5
N0100405	5 x 4.0	475	18.0	N0105005	5 x 50	3500	40.0
N0100601	1 x 6.0	125	9.5	N0107001	1 x 70	800	16.0
N0100602	2 x 6.0	355	15.5	N0107003	3 x 70	2400	30.0
N0100603	3 x 6.0	420	16.0	N0107004	4 x 70	3050	31.5
N0100604	4 x 6.0	515	18.5	N0109501	1 x 95	1111	19.5
N0100605	5 x 6.0	615	19.5	N0109503	3 x 95	3300	34.0
N0101001	1 x 10	185	9.5	N0109504	4 x 95	4134	39.0
N0101002	2 x 10	490	16.5	N0112001	1 x 120	1350	20.0
N0101003	3 x 10	585	18.0	N0112003	3 x 120	4100	36.0
N0101004	4 x 10	725	20.0	N0112004	4 x 120	5300	42.0
N0101005	5 x 10	885	21.5	N0115001	1 x 150	1689	22.0
N0101601	1 x 16	245	10.0	N0115003	3 x 150	4980	40.0
N0101602	2 x 16	665	19.0	N0115004	4 x 150	6435	47.5
N0101603	3 x 16	810	20.5	N0118501	1 x 185	2000	25.0
N0101604	4 x 16	1055	22.0	N0118503	3 x 185	6545	46.5
N0101605	5 x 16	1250	24.0	N0118504	4 x 185	8456	52.0
N0102501	1 x 25	350	13.0	N0124001	1 x 240	2598	27.5
N0102502	2 x 25	935	23.0	N0124003	3 x 240	8321	51.0
N0102503	3 x 25	1305	26.0	N0124004	4 x 240	11100	59.0

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