



NYY

PVC NON-ARMoured LV POWER CABLE



DESCRIPTION

Conductor: Class 1 (solid) or Class 2 (stranded) bare Cu conductor, **Insulation:** Poly-vinyl chloride (PVC) insulation, **Sheath:** Poly-vinyl chloride (PVC) black outer sheath.

APPLICATION

Non-armoured power cables for fixed installation indoors or outdoors, in the ground, in water or in concrete.

CHARACTERISTICS

Voltage Grade: 0.6/1kV

Test Voltage: 4kV

Temperature Range: -20°C to +70°C

Min Bending Radius: 15 x OD (single core),
12 x OD (multi core)

UV Resistant: Yes

Approvals/Standards: VDE0276-603/627, IEC60332-1-2,
VDE0482-332-1-2

IEC 60502-1, VDE 0276-603, HD 603, IEC
60228 Flame retardant according to
IEC/EN 60332-1-2

This cable is compliant with European
Regulation EN 50575, the Construction
Products Regulation.

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CABLE TYPE	NO. OF CORES	SIZE	CLASS OF CONDUCTOR	APPROX OD	WEIGHT Kg/Km	AMAPACITY IN AIR	AMAPACITY IN GROUND	SHORT-CIRCUIT CURRENT (1s)
		mm ²		mm		A (30°C)	A (20°C)	kA
NY-Y-O	1	1.5	1	5.8	50	19	27	0.17
NY-Y-O	1	2.5	1	6.2	60	28	39	0.29
NY-Y-O	1	4	1	7	85	37	50	0.46
NY-Y-O	1	6	1	7.5	105	47	62	0.69
NY-Y-O	1	10	2	8.30	154	64	83	1.15
NY-Y-O	1	16	2	9.35	210	84	107	1.84
NY-Y-O	1	25	2	10.9	320	114	138	2.87
NY-Y-O	1	35	2	12.1	420	139	164	4.02
NY-Y-O	1	50	2	13.8	555	169	195	5.75
NY-Y-O	1	70	2	15.3	760	213	238	8.05
NY-Y-O	1	95	2	17.6	1035	264	280	10.9
NY-Y-O	1	120	2	19.4	1280	307	325	13.8
NY-Y-O	1	150	2	21	1560	352	365	11.4
NY-Y-O	1	185	2	23.2	1945	406	413	21.3
NY-Y-O	1	240	2	26.5	2473	483	479	27.6
NY-Y-O	1	300	2	29.7	3190	557	541	34.5
NY-Y-O	1	400	2	33.5	4110	646	614	41.2

ALL FIGURES QUOTED ARE APPROXIMATE

CABLE TYPE	NO. OF CORES	SIZE	CLASS OF CONDUCTOR	APPROX OD	WEIGHT Kg/Km	AMAPACITY IN AIR	AMAPACITY IN GROUND	SHORT-CIRCUIT CURRENT (1s)
		mm ²		mm		A (30°C)	A (20°C)	kA
NY-Y-J	2	1.5	1	10.4	155	19	27	0.17
NY-Y-J	2	2.5	1	11.2	190	25	36	0.29
NY-Y-J	2	4	1	12.9	270	34	47	0.46
NY-Y-J	2	6	1	14	330	43	59	0.69
NY-Y-J	2	10	2	15.5	460	59	79	1.15
NY-Y-J	2	16	2	18.5	660	79	103	1.84
NY-Y-J	2	25	2	21.2	940	106	133	2.87
NY-Y-J	2	35	2	23.10	1200	106	133	4.02

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CABLE TYPE	NO. OF CORES	SIZE	CLASS OF CONDUCTOR	APPROX OD	WEIGHT	AMAPACITY IN AIR	AMAPACITY IN GROUND	SHORT-CIRCUIT CURRENT (1s)
		mm ²		mm	Kg/Km	A (30°C)	A (20°C)	kA
NYY-J	3	1.5	1	10.7	175	19	27	0.17
NYY-J	3	2.5	1	11.5	220	25	36	0.29
NYY-J	3	4	1	13.5	315	34	47	0.46
NYY-J	3	6	1	14.5	395	43	59	0.69
NYY-J	3	10	2	17.0	575	59	79	1.15
NYY-J	3	16	2	18.9	790	-	-	-
NYY-J	3	25	2	22.3	1175	106	133	2.89
NYY-J	3	35	2	24.6	1525	129	159	4.02
NYY-J	3	50	2	25.5	1787	157	188	5.75
NYY-J	3	70	2	29.5	2377	199	232	8.05
NYY-J	3	95	2	33.6	3292	246	280	10.9
NYY-J	3	120	2	35.7	3995	285	318	13.8
NYY-J	3	150	2	39.6	4875	326	359	17.2
NYY-J	3	185	2	46.0	6488	374	406	21.3
NYY-J	3	240	2	50.5	8277	445	473	27.6

ALL FIGURES QUOTED ARE APPROXIMATE

CABLE TYPE	NO. OF CORES	SIZE	CLASS OF CONDUCTOR	APPROX OD	WEIGHT	AMAPACITY IN AIR	AMAPACITY IN GROUND	SHORT-CIRCUIT CURRENT (1s)
		mm ²		mm	Kg/Km	A (30°C)	A (20°C)	kA
NYY-J	4	1.5	1	11.4	205	19	27	0.17
NYY-J	4	2.5	1	12.8	270	25	36	0.29
NYY-J	4	4	1	14.7	380	34	47	0.46
NYY-J	4	6	1	16	510	43	59	0.69
NYY-J	4	10	2	18.8	725	59	79	1.15
NYY-J	4	16	2	21.0	1000	79	103	1.84
NYY-J	4	25	2	24.6	1470	106	133	2.87
NYY-J	4	35	2	27.4	1925	129	159	4.02
NYY-J	4	50	2	29.6	2275	157	188	5.75
NYY-J	4	70	2	33.5	3050	199	232	8.05
NYY-J	4	95	2	38.6	4175	246	280	10.9
NYY-J	4	120	2	41.9	5160	285	318	13.8
NYY-J	4	150	2	46.8	6392	326	359	17.2
NYY-J	4	185	2	51.5	7997	374	406	21.3
NYY-J	4	240	2	57.7	10965	445	473	27.6
NYY-J	4	300	2	62.2	13125	511	535	34.5

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CABLE TYPE	NO. OF CORES	SIZE	CLASS OF CONDUCTOR	APPROX OD	WEIGHT	AMAPACITY IN AIR	AMAPACITY IN GROUND	SHORT-CIRCUIT CURRENT (1s)
		mm ²		mm	Kg/Km	A (30°C)	A (20°C)	kA
NY-Y-J	5	1.5	1	12.0	225	19	27	0.17
NY-Y-J	5	2.5	1	13.4	310	25	36	0.29
NY-Y-J	5	4	1	16.2	445	34	47	0.46
NY-Y-J	5	6	1	17.1	560	43	55	0.69
NY-Y-J	5	10	2	20.4	805	59	79	1.15
NY-Y-J	5	16	2	22.5	1130	79	103	1.84
NY-Y-J	5	25	2	28.3	1780	106	133	2.87
NY-Y-J	5	35	2	31.0	2285	129	159	4.02
NY-Y-J	5	50	2	39.9	3488	157	188	5.75
NY-Y-J	5	70	2	42.2	4425	199	232	8.05
NY-Y-J	5	95	2	49.4	6125	246	280	10.9
NY-Y-J	5	120	2	51.1	7475	285	318	13.8
NY-Y-J	5	150	2	58.2	8330	326	359	17.2

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CABLE TYPE	NO. OF CORES	Core Colours
NY-Y-O	1	BLACK
NY-Y-J	3	BROWN, BLUE, GREEN/YELLOW
NY-Y-J	4	BROWN, BLACK, GREY, GREEN/YELLOW
NY-Y-J	5	BROWN, BLACK, GREY, BLUE, GREEN/YELLOW

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