



Application

NYY-J PVC 0.6/1 kV power cables are used for fixed installation in indoor or outdoor power networks. Suitable for dry or damp environments, where mechanical stress is low.

Characteristics

Voltage Rating 0.6/1kV

Temperature in operation -15°C to + 70 °C

Short-circuit Temp +160 °C

Min. bending radius 12 x OD

Construction

Conductor

Class 1 solid copper conductor

Class 2 stranded copper conductor

Insulation

PVC (Polyvinyl Chloride)

Filler

PVC (Polyvinyl Chloride)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

2 core Blue + Brown

3 core Blue + Brown + Green/Yellow

4 core Brown + Black + Grey + Green/Yellow

5 core Brown + Black + Grey + Blue + Green/Yellow

7 core Black cores (white numbers) + Green/Yellow



Sheath Colour

Black

Standards

IEC 60502 -1, BS EN/IEC 60228

Flame retardant according to IEC/EN 60332-1-2

Regulatory Compliance



RESPONSIBLY
PRODUCED
COPPER

The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover
- 20% of global copper production

Cross Section (mm ²)	Maximum D.C resistance at 20°C	Conductor Class	Insulation		Filler	Outer Sheath			Current Carrying Capacity			
			Material	Thickness		Material	Minimum Thickness	Overall Diameter	Ground o o o	Ground o°o	Air o o o	Air o°o
1x1.5	12.1	1	PVC	0.80	PVC	PVC	0.92	5.12	-	-	20	20
1x2.5	7.41	1	PVC	0.80	PVC	PVC	0.92	5.52	-	-	34	27
1x4	4.61	1	PVC	1.00	PVC	PVC	0.92	6.38	-	-	45	37
1x6	3.08	1	PVC	1.00	PVC	PVC	0.92	6.88	-	-	57	48
1x10	1.83	1	PVC	1.00	PVC	PVC	0.92	8.00	-	-	78	66
1x16	1.15	2	PVC	1.00	PVC	PVC	0.92	9.05	127	107	103	89
1x25	0.727	2	PVC	1.20	PVC	PVC	0.92	10.54	163	137	137	118
1x35	0.524	2	PVC	1.20	PVC	PVC	0.92	11.60	195	165	169	145
1x50	0.387	2	PVC	1.40	PVC	PVC	0.92	13.10	230	195	206	176
1x70	0.268	2	PVC	1.40	PVC	PVC	0.92	14.85	282	239	261	224
1x95	0.193	2	PVC	1.60	PVC	PVC	1.00	17.10	336	287	321	271
1x120	0.153	2	PVC	1.60	PVC	PVC	1.00	18.65	382	326	374	314
1x150	0.124	2	PVC	1.80	PVC	PVC	1.08	20.60	428	366	428	361
1x185	0.0991	2	PVC	2.00	PVC	PVC	1.16	22.75	483	414	494	412
1x240	0.0754	2	PVC	2.20	PVC	PVC	1.24	26.10	561	481	590	484
1x300	0.0601	2	PVC	2.40	PVC	PVC	1.32	29.20	632	542	678	549
1x400	0.047	2	PVC	2.60	PVC	PVC	1.40	32.70	730	542	817	657
1x500	0.0366	2	PVC	2.80	PVC	PVC	1.48	36.70	823	542	940	749
2x1.5	12.1	1	PVC	0.80	PVC	PVC	1.24	8.99	32		20	
2x2.5	7.41	1	PVC	0.80	PVC	PVC	1.24	9.89	42		27	
2x2.5	7.41	2	PVC	0.80	PVC	PVC	1.24	10.29	42		27	
2x4	4.61	1	PVC	1.00	PVC	PVC	1.24	11.66	54		37	
2x4	4.61	2	PVC	1.00	PVC	PVC	1.24	12.14	54		37	
2x6	3.08	1	PVC	1.00	PVC	PVC	1.24	12.66	68		48	
2x6	3.08	2	PVC	1.00	PVC	PVC	1.24	13.14	68		48	
2x10	1.83	1	PVC	1.00	PVC	PVC	1.24	14.34	90		66	
2x10	1.83	2	PVC	1.00	PVC	PVC	1.24	15.00	90		66	
2x16	1.15	2	PVC	1.00	PVC	PVC	1.24	17.15	116		89	
2x25	0.727	2	PVC	1.20	PVC	PVC	1.24	20.18	150		118	

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Cross Section (mm ²)	Maximum D.C resistance at 20°C	Conductor Class	Insulation		Filler	Outer Sheath			Current Carrying Capacity			
			Material	Thickness		Material	Minimum Thickness	Overall Diameter	Ground o o o	Ground o°o	Air o o o	Air o°o
2x35	0.524	2	PVC	1.20	PVC	PVC	1.24	22.60	181		145	
2x50	0.387	2	PVC	1.40	PVC	PVC	1.24	25.30	215		176	
2x70	0.268	2	PVC	1.40	PVC	PVC	1.32	29.00	235		206	
2x95	0.193	2	PVC	1.60	PVC	PVC	1.40	33.30	283		255	
2x120	0.153	2	PVC	1.60	PVC	PVC	1.48	36.40	322		296	
2x150	0.124	2	PVC	1.80	PVC	PVC	1.56	40.80	362		339	
2x185	0.0991	2	PVC	2.00	PVC	PVC	1.72	45.10	410		390	
3x1.5	12.1	1	PVC	0.80	PVC	PVC	1.24	9.61	26		18.5	
3x1.5	12.1	2	PVC	0.80	PVC	PVC	1.24	10.00	26		18.5	
3x2.5	7.41	1	PVC	0.80	PVC	PVC	1.24	10.42	34		25	
3x2.5	7.41	2	PVC	0.80	PVC	PVC	1.24	10.83	34		25	
3x4	4.61	1	PVC	1.00	PVC	PVC	1.24	12.43	44		34	
3x4	4.61	2	PVC	1.00	PVC	PVC	1.24	12.88	44		34	
3x6	3.08	1	PVC	1.00	PVC	PVC	1.24	13.51	56		43	
3x6	3.08	2	PVC	1.00	PVC	PVC	1.24	14.29	56		43	
3x10	1.83	1	PVC	1.00	PVC	PVC	1.24	15.32	75		60	
3x10	1.83	2	PVC	1.00	PVC	PVC	1.24	16.01	75		60	
3x16	1.15	2	PVC	1.00	PVC	PVC	1.24	18.20	98		80	
3x25	0.727	2	PVC	1.20	PVC	PVC	1.24	21.51	128		106	
3x35	0.524	2	PVC	1.20	PVC	PVC	1.24	24.33	157		131	
3x50	0.387	2	PVC	1.40	PVC	PVC	1.24	27.37	185		159	
3x70	0.268	2	PVC	1.40	PVC	PVC	1.40	31.83	228		202	
3x95	0.193	2	PVC	1.60	PVC	PVC	1.48	36.25	275		244	
3x120	0.153	2	PVC	1.60	PVC	PVC	1.56	40.00	313		282	
3x150	0.124	2	PVC	1.80	PVC	PVC	1.64	43.88	353		324	
4x1.5	12.1	1	PVC	0.80	PVC	PVC	1.24	10.47	26		18.5	
4x1.5	12.1	2	PVC	0.80	PVC	PVC	1.24	10.90	26		18.5	
4x2.5	7.41	1	PVC	0.80	PVC	PVC	1.24	11.28	34		25	
4x2.5	7.41	2	PVC	0.80	PVC	PVC	1.24	11.77	34		25	

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Cross Section (mm ²)	Maximum D.C resistance at 20°C	Conductor Class	Insulation		Filler	Outer Sheath			Current Carrying Capacity			
			Material	Thickness		Material	Minimum Thickness	Overall Diameter	Ground o o o	Ground o°o	Air o o o	Air o°o
4x4	4.61	1	PVC	1	PVC	PVC	1.24	13.62	44		34	
4x4	4.61	2	PVC	1	PVC	PVC	1.24	14.11	44		34	
4x6	3.08	1	PVC	1	PVC	PVC	1.24	14.93	56		43	
4x6	3.08	2	PVC	1	PVC	PVC	1.24	15.49	56		43	
4x10	1.83	1	PVC	1	PVC	PVC	1.24	16.96	75		60	
4x10	1.83	2	PVC	1	PVC	PVC	1.24	17.63	75		60	
4x16	1.15	2	PVC	1	PVC	PVC	1.24	19.98	98		80	
4x25	0.727	2	PVC	1.20	PVC	PVC	1.24	24.08	128		106	
4x35	0.524	2	PVC	1.20	PVC	PVC	1.24	27.01	157		131	
4x50	0.387	2	PVC	1.40	PVC	PVC	1.32	30.94	185		159	
4x70	0.268	2	PVC	1.40	PVC	PVC	1.48	34.93	228		202	
4x95	0.193	2	PVC	1.60	PVC	PVC	1.56	40.27	275		244	
4x120	0.153	2	PVC	1.60	PVC	PVC	1.72	44.53	313		282	
4x150	0.124	2	PVC	1.80	PVC	PVC	1.80	49.46	353		324	
4x185	0.0991	2	PVC	2.00	PVC	PVC	1.96	55.60	399		371	
4x240	0.0754	2	PVC	2.20	PVC	PVC	2.12	63.90	464		436	
5x1.5	12.1	1	PVC	0.80	PVC	PVC	1.24	11.08	26		18.5	
5x1.5	12.1	2	PVC	0.80	PVC	PVC	1.24	11.57	26		18.5	
5x2.5	7.41	1	PVC	0.80	PVC	PVC	1.24	12.22	34		25	
5x2.5	7.41	2	PVC	0.80	PVC	PVC	1.24	12.75	34		25	
5x4	4.61	1	PVC	1	PVC	PVC	1.24	14.59	44		34	
5x4	4.61	2	PVC	1	PVC	PVC	1.24	15.37	44		34	
5x6	3.08	1	PVC	1	PVC	PVC	1.24	15.94	56		43	
5x6	3.08	2	PVC	1	PVC	PVC	1.24	16.91	56		43	
5x10	1.83	2	PVC	1	PVC	PVC	1.24	19.57	75		60	
5x16	1.15	2	PVC	1	PVC	PVC	1.24	22.30	98		80	
5x25	0.727	2	PVC	1.20	PVC	PVC	1.24	26.42	128		106	
5x35	0.524	2	PVC	1.20	PVC	PVC	1.32	30.07	157		131	
5x50	0.387	2	PVC	1.40	PVC	PVC	1.48	39.29	185		159	
5x70	0.268	2	PVC	1.40	PVC	PVC	1.56	39.29	228		202	