

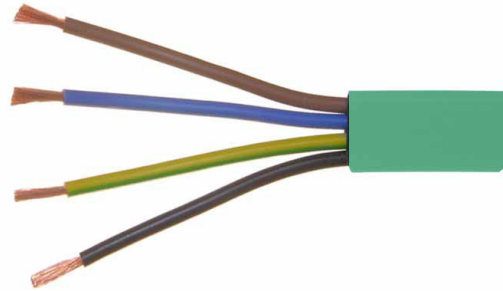
RV-K N2XY: Flexible Multi-core Copper Cables, XLPE Insulation and PVC Jacket for Fixed Installation



Document 1009

Applications

- In fixed installation internally, externally or underground if there are not mechanical stresses
- Flexible construction allows installations in winding layouts, mainly for industrial applications
- May be used in single or three phase system, not exceeding 600 V between phase and ground
- Designed for maximum conductor temperature of 90°C during continuous normal operation and 250°C during short circuit.



Standards

- SII 1516-1
- IEC 60502-1
- IEC 60332-1

Construction

Conductor	Stranded copper, class 5 according to IEC 60228/ SII 60228
Insulation	Flexible XLPE. Insulation thickness and core color is per SI 1516-1 – see table below.
Cabling	Stranding
Inner covering and filler	Flexible PVC or rubber, compatible with XLPE insulation.
Jacket	Flexible PVC compound, green.

Core coloring identification according Israeli Law

No. of cores	Cable with ground conductor	Cable without grounding conductor
3	Brown – Blue - Yellow/green	Brown - Brown with black stripe - Brown with orange stripe
4	Brown - Brown with black stripe - Brown with orange stripe - Yellow/green	Brown - Brown with black stripe - Brown with orange stripe – Blue
5	Brown - Brown with black stripe - Brown with orange stripe – Blue - Yellow/green	-

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Electrical and Mechanical Properties

Catalog Number	Structure	Overall approx. diameter	Cable weight approx.	DC resistance @ 20°C	Current rating in air @ 30°C	Current rating in ground @ 20°C
	No. x sqmm	mm	kg/km	Ω/km	A	A
RV-K cables - 1 conductor						
2180136	1x1.5	5.7	45	13.3	21	22
2220136	1x2.5	6.5	60	7.98	29	28
2260136	1x4	7.0	75	4.95	38	37
2280136	1x6	8.2	95	3.3	55	45
2300136	1x10	9.5	140	1.91	72	59
2320137	1x16	9.3	195	1.21	100	78
2340136	1x25	11.3	300	0.78	130	98
2380136	1x35	12.4	390	0.554	160	120
2400136	1x50	14.2	515	0.386	199	140
2440136	1x70	16.1	710	0.272	260	167
2460136	1x95	18.2	960	0.206	320	208
2480106	1x120	20	1200	0.161	375	237
2500136	1x150	22.3	1500	0.129	450	266
2520136	1x185	24	1850	0.106	515	297
2560105	1x240	27.4	2380	0.0801	595	346
1580105	1x300	30	3000	0.0641	698	402
2400105	1x400	34	3920	0.0486	788	468
2500105	1x500	39	5025	0.0384	934	520
2630105	1x630	43	6500	0.0287	1064	600
RV-K cables – 2 conductors						
3180307	2x1.5	8.6	100	13.3	26	25
3220307	2x2.5	9.5	130	7.98	36	35
3260307	2x4	10.7	170	4.95	51	45
3280307	2x6	11.8	220	3.3	61	57
3300307	2x10	13.6	335	1.91	84	75
3320307	2x16	16.2	498	1.21	110	95
3340307	2x25	19.2	705	0.78	127	101
3380307	2x35	23	945	0.554	158	122

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	No. x sqmm	mm	kg/km	Ω/km	A	A
RV-K cables – 3 conductors						
1180307	3x1.5	10	118	13.3	26	25
1220307	3x2.5	11	150	7.98	36	35
1260307	3x4	12	198	4.95	51	45
1280307	3x6	13	270	3.3	61	57
1300307	3x10	16	435	1.91	84	75
1320307	3x16	18	640	1.21	110	95
1340307	3x25	21	950	0.78	127	101
1380307	3x35	24	1300	0.554	158	122
1400307	3x50	27	1850	0.386	197	150
1380308	3x35+16	25	1425	0.554	154	118
1400308	3x50+25	30	2050	0.386	186	140
1440308	3x70+35	34	2850	0.272	236	170
1460308	3x95+50	38	3650	0.206	288	215
1480308	3x120+70	43	4700	0.161	350	235
1500308	3x150+70	47	5800	0.129	388	266
1520308	3x185+95	53	7200	0.106	450	299
1560308	3x240+120	61	9500	0.0801	530	346
RV-K cables – 4 conductors						
1180403	4x1.5	11	130	13.3	23	22
1220403	4x2.5	12	180	7.98	32	29
1260403	4x4	14	250	4.95	42	37
1280402	4x6	15	435	3.3	53	47
1300402	4x10	18	560	1.91	74	62
1320403	4x16	20	820	1.21	98	79
1340403	4x25	23	1220	0.78	125	101
1380403	4x35	26	1650	0.554	154	118
1400403	4x50	30	2350	0.386	186	140
1440403	4x70	35	3320	0.272	236	170
1460403	4x95	39	4100	0.206	288	215
1480403	4x120	43	5300	0.161	350	235
1500403	4x150	48	6700	0.129	388	266
1520403	4x185	53	8100	0.106	450	299
1560403	4x240	60	11150	0.0801	530	346

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	No. x sqmm	mm	kg/km	Ω/km	A	A
RV-K cables – 5 conductors						
1180503	5x1.5	12	170	13.3	23	22
1220503	5x2.5	13	225	7.98	32	29
1260502	5x4	14	310	4.95	42	37
1280503	5x6	16	420	3.3	53	47
1300502	5x10	19	680	1.91	74	62
1320502	5x16	22	1100	1.21	98	79
1340502	5x25	25	1630	0.78	125	101

Additional Parameters

- Cable code : RV-K N2XY
- Nominal voltage: 0.6/1 kV
- Maximum conductor temperature: 90°C
- Maximum conductor temperature on short circuit: 250°C
- Minimum bending radius: 6 x Outer sheath diameter
- Minimum installation temperature: -5°C
- Service temperature: -15°C - 90°C

Yair Duchovni Cables reserves the right to modify the products described in this data sheet without prior notice

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