

NYKY-J 0,6/1kV with lead sheath, VDE approved



Technical data

- Power and control cable, PVC insulation and lead inner-sheath to DIN VDE 0265
- **Temperature range**
-5°C to +70°C
- **Temperature at conductor** +70°C
- **Short circuit temperature** +160°C (short circuit duration 5 sec.)
- **Nominal voltage** U_0/U 0,6/1 kV nominal voltage U
- **operating voltage**
the voltage between the conductors of a current-circuit (or between conductor and earth) in a given time during undisturbed operation under specified condition
- **Test voltage** (5 min.) 6,0 kV
- **Min. permissible bending radius**
approx. 12x cable \varnothing
- **Power ratings table**
see Technical Informations

Cable construction

- Bare copper conductor to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
- Core insulation of PVC, compound type DIV4 to VDE 0276 part 603
- Core identification to DIN VDE 0293-308 up to 5 cores coloured
- 7 cores black with numbering
- Green-yellow earth core
- Cores stranded concentrically
- Overall jacket of soft plastics material, if exists, permits also as extrusion or taping or a combination of both
- Lead inner-sheath, jointless and enclosed
- PVC outer jacket black, DMV5 to DIN VDE 0276 part 603
- Sheath colour black

Properties

- **Advantage**
Good coupling resistance due to enclosed lead sheath is suitable for special **EMC-requirements** (Electromagnetic Compatibility)
- **Resistant to**
Turpentine substitute
Xylol
Fuels
Trichlor
Oils
Petroleum
Toluene
Hydrocarbon
- The lead sheath is **not** permitted to use as neutral-conductor (N)
- If drain-wire exists, only for use as earthing of lead sheath in a grounding system e.g. in hazardous areas to DIN VDE 0165. This drain-wire is **not** allowed to install as protective, neutral or earth conductor

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- re = round solid core;
sm = sectional core.

Application

These cables of PVC insulation and lead inner-sheath are installed everywhere, where the danger of chemical reaction of solvents, energy fuels, oils, gasolines or of that kind in filling stations particularly in petrol pump areas for carburetor propellants, in refining plants and in chemical industries are to be caused. Suitable for installation under ground, in water, indoor areas and cable conduits.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²		Outer \varnothing ca. mm	Cop. weight kg / km	Lead weight kg / km	Weight ca. kg / km	AWG-No.
32640	3 x 1,5	re	13,5	43,0	427,0	598,0	16
32686	3 x 1,5	re / 1,5	14,5	57,0	427,0	610,0	16
32641	3 x 2,5	re	14,8	72,0	487,0	690,0	14
32642	3 x 4	re	16,2	115,0	555,0	840,0	12
32643	3 x 6	re	17,3	173,0	610,0	990,0	10
32644	3 x 25	rm / 16,0	27,8	874,0	1290,0	2550,0	4
32645	3 x 35	sm / 16,0	29,2	1162,0	1340,0	3080,0	2
32646	3 x 50	sm / 25,0	32,7	1680,0	1670,0	3850,0	1
32647	3 x 70	sm / 35,0	35,8	2352,0	2020,0	5360,0	2/0
32648	3 x 95	sm / 50,0	40,3	3216,0	2440,0	6950,0	3/0
32649	3 x 120	sm / 70,0	43,2	4128,0	2770,0	8235,0	4/0
32650	3 x 150	sm / 70,0	48,8	4992,0	3530,0	9620,0	300 kcmil
32651	3 x 185	sm / 95,0	53,4	6240,0	4230,0	11940,0	350 kcmil
32652	3 x 240	sm / 120,0	59,8	8064,0	5230,0	15380,0	500 kcmil

Dimensions and specifications may be changed without prior notice.

Continuation ►

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Part No.	No. cores x cross-sec. mm²		Outer ø ca. mm	Cop. weight kg / km	Lead weight kg / km	Weight ca. kg / km	AWG-No.
32653	4 x 1,5	re	14,5	58,0	464,0	650,0	16
32687	4 x 1,5	re / 1,5	15,3	72,0	464,0	650,0	16
32654	4 x 2,5	re	15,5	96,0	530,0	760,0	14
32655	4 x 4	re	17,5	154,0	605,0	960,0	12
32656	4 x 6	re	18,5	230,0	665,0	1100,0	10
32657	4 x 10	re	21,3	384,0	750,0	1400,0	8
32658	4 x 16	re	24,2	614,0	975,0	1910,0	6
32659	4 x 25	rm	28,5	960,0	1290,0	2750,0	4
32660	4 x 35	rm	30,5	1344,0	1340,0	3630,0	2
32661	4 x 50	sm	33,3	1920,0	1680,0	4580,0	1
32662	4 x 70	sm	37,5	2688,0	2020,0	5340,0	2/0
32663	4 x 95	sm	42,3	3648,0	2440,0	7120,0	3/0
32664	5 x 1,5	re	15,3	72,0	505,0	710,0	16
32688	5 x 1,5	re / 1,5	16,4	86,0	505,0	780,0	16
32665	5 x 2,5	re	17,2	120,0	580,0	910,0	14
32666	5 x 4	re	19,4	192,0	665,0	1090,0	12
32667	5 x 6	re	20,2	288,0	730,0	1270,0	10
32668	5 x 10	re	22,8	480,0	930,0	1700,0	8
32669	5 x 16	re	26,4	768,0	1070,0	2231,0	6
32670	7 x 1,5	re	17,2	101,0	545,0	810,0	16
32689	7 x 1,5	re / 1,5	17,2	115,0	545,0	970,0	16
32678	7 x 2,5	re	18,0	168,0	625,0	1070,0	14
32671	10 x 1,5	re	21,3	144,0	680,0	918,0	16
32679	10 x 2,5	re	22,4	240,0	865,0	1330,0	14
32672	12 x 1,5	re	21,3	173,0	710,0	988,0	16
32680	12 x 2,5	re	23,2	288,0	940,0	1440,0	14
32673	14 x 1,5	re	21,3	202,0	735,0	1100,0	16
32681	14 x 2,5	re	24,5	336,0	980,0	1530,0	14
32674	19 x 1,5	re	23,0	274,0	900,0	1440,0	16
32682	19 x 2,5	re	26,0	456,0	1170,0	1680,0	14
32675	24 x 1,5	re	27,3	346,0	1170,0	1610,0	16
32683	24 x 2,5	re	31,0	576,0	1370,0	2160,0	14
32676	30 x 1,5	re	28,2	432,0	1240,0	1830,0	16
32684	30 x 2,5	re	32,3	720,0	1550,0	2530,0	14
32677	40 x 1,5	re	31,4	576,0	1390,0	2300,0	16
32685	40 x 2,5	re	36,4	960,0	1770,0	3310,0	14

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