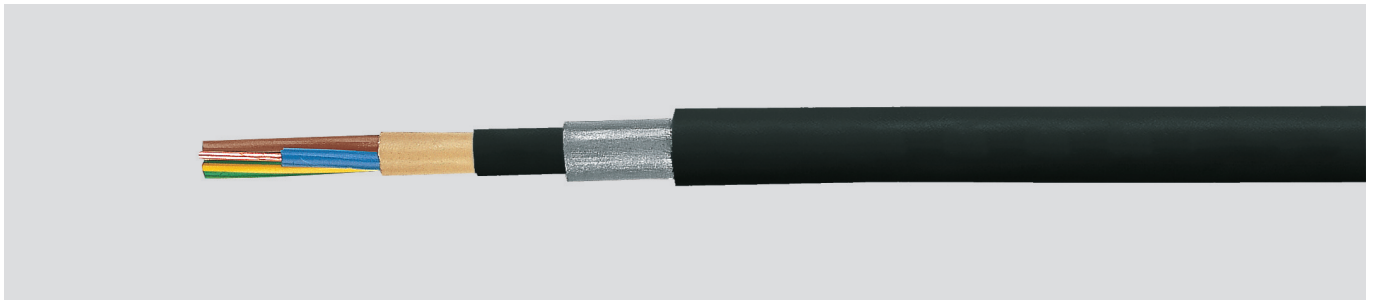


NYKY-J 0,6/1kV with lead sheath, VDE approved



Technical data

- Power and control cable, PVC insulation and lead inner-sheath to DIN VDE 0265
- **Temperature range**
flexing -5°C to +50°C
fixed installation -30°C to +70°C
- Permissible **operating temperature** at conductor +70°C
- Permissible **short circuit temperature** (short circuit duration max. 5 s) +160°C
- **Nominal voltage** U₀/U 0,6/1 kV
- **Test voltage** 6 kV
- **Minimum bending radius**
12x cable Ø
- **Power ratings table**
see Technical Informations

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.1 or cl.2, single-wire or multi-wire, BS 6360 cl.1 or cl.2, IEC 60228 cl.1 or cl.2
- Core insulation of PVC compound type DIV4 to DIN VDE 0276 part 603
- Core identification to DIN VDE 0293-308
- up to 5 cores coloured
- from 7 cores, black with continuous white numbering
- GN-YE conductor
- Cores stranded concentrically
- Overall sheath of soft plastics material, if exists, ermits also as extrusion or taping or a combination of both
- Lead inner sheath, jointless and enclosed
- Outer sheath of PVC compound type 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

- re = round conductor, single-wire
sm = sectional conductor, multi-wire
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

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 2006/95/EC.

Part no.	No.cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Lead weight kg / km	Weight app. 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	27,8	874,0	1290,0	2550,0	4
32645	3 x 35 sm / 16	29,2	1162,0	1340,0	3080,0	2
32646	3 x 50 sm / 25	32,7	1680,0	1670,0	3850,0	1
32647	3 x 70 sm / 35	35,8	2352,0	2020,0	5360,0	2/0
32648	3 x 95 sm / 50	40,3	3216,0	2440,0	6950,0	3/0
32649	3 x 120 sm / 70	43,2	4128,0	2770,0	8235,0	4/0
32650	3 x 150 sm / 70	48,8	4992,0	3530,0	9620,0	300 kcmil
32651	3 x 185 sm / 95	53,4	6240,0	4230,0	11940,0	350 kcmil
32652	3 x 240 sm / 120	59,8	8064,0	5230,0	15380,0	500 kcmil

Continuation ▶

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Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Lead weight kg / km	Weight app. 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

Dimensions and specifications may be changed without prior notice. (RQ01)