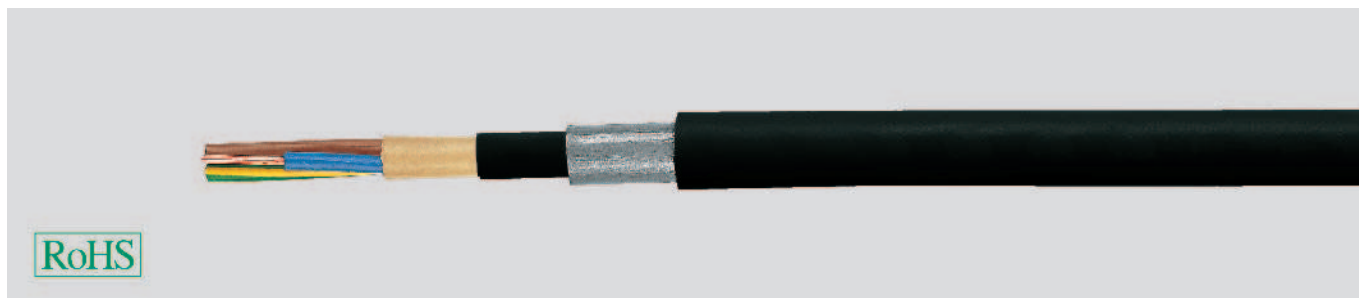


# NYKY-J 0,6/1kV with lead sheath, VDE approved



## 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 mm<sup>2</sup>.
- 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 <sup>2</sup>		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 ►