NKT instal PLUS CYKY 450/750 V

Building wires

Standard: PN-NKT-061-00

Design

1. Copper conductor
2. PVC insulation
3. Extruded bedding
4. PVC outer sheath

Application

Cables are designed for fixed installation, indoors and outdoors, in the ground and in concrete. At these cables you can easily recognize number of cores and cross-section of conductors according to coloured strip on the sheath.

Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Properties

Rated voltage Uo/U	0,45/0,75 kV
Test voltage	4 kV
Maximal short-circuit conductor temperature	160 °C
Maximal operating conductor temperature	70 °C
Temperature range	from -30 up to 70 °C
Minimal temperature for laying and manipulation	5 °C
Minimal storage temperature	-35 °C
Colour of insulation	HD 308 S2
Colour of sheath	black

Self-extinguishing of one cable	IEC 60332-1-2
CPR-Classification	Eca
UV stability	yes
Packaging	drum, coil
Certificate	EZU
RoHS	yes
REACH	yes
Declaration of Conformity EU (CE)	yes

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Technical data

No. of cores and cross-section	Diameter of conductor	Thickness - nominal insulation	Thickness - nominal sheath	Diameter informative	Weight informative	Minimal radius of bend	Max. effective resistance conductor at 20°C	Current carrying capacity single cable in air *1	Current carrying capacity single cable in ground *2	Max. permitted pulling force *3
mm²	mm	mm	mm	mm	kg/km	mm	Ω/km	A	A	N
3x1,5	1,3	0,7	1,0	7,4	99	44	12,531	18,4	28,8	225
3x2,5	1,7	0,8	1,0	8,6	144	51	7,520	25,2	38,2	375
5x1,5	1,3	0,7	1,0	8,9	144	53	12,531	19,6	29,6	375
5x2,5	1,7	0,8	1,0	10,4	215	62	7,520	26,8	39,3	625

*1 Air temperature: 30 °C
*2 Ground temperature: 20 °C; Thermal resistivity of ground: 1,0 K.m/W; Depth of cable laying: 0,7 m
*3 Force is distributed over all cable conductors