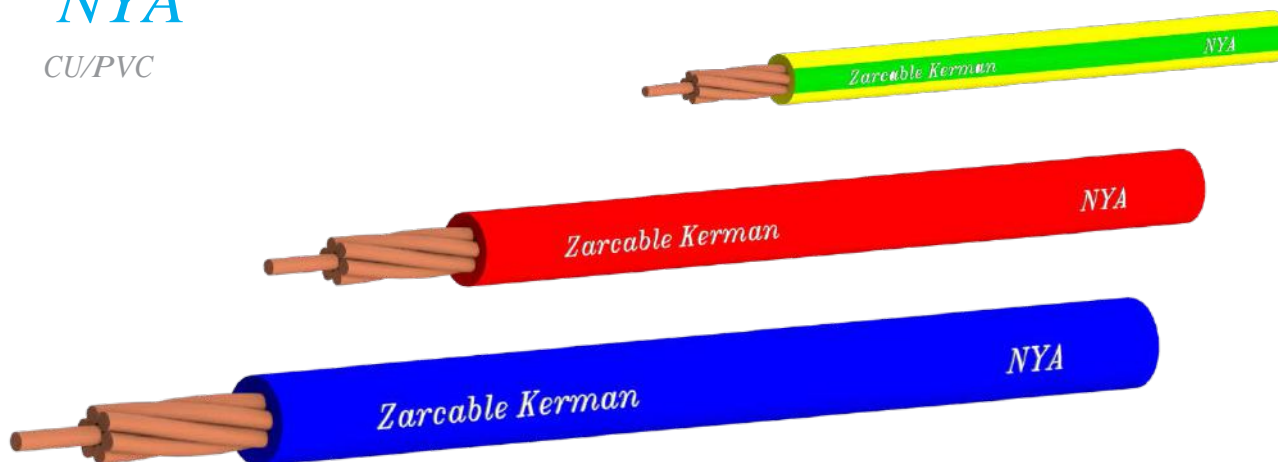


NYA

CU/PVC



Single Core Cable Unarmored PVC insulation

Construction

Conductor: Bare copper conductor, multi wire stranded, class 2.
acc. to IEC 60228 / HD 383 / DIN VDE 0295

Insulation: PVC compound T11 acc. to IEC 60227-3 / HD
21.3 S3 / DIN VDE 00281 part 3

Colour Code: acc. to IEC 60446 i.e. EN 60446
(corresponding to DIN VDE 0293)

possible
insulation
colours:



- blue colour is used for neutral conductor, black and brown are applied for alternating current phase conductors

Technical data

Temperature range:

During installation : +5 °C up to +70 °C
fixed installed: -30 °C up to +70 °C
at short circuit of max. 5 s: up to 160 °C
ambient temperature at storage: up to 40 °C

Nominal voltage: U₀/U = 450/750 V
Test voltage: 2500 V

Minimal inner bending radius: 4D for D < 8 mm
5D for 8 - 12 mm
6D for D > 12 mm

Behavior in fire: IEC 60332-1



APPLICATION

Insulated conductor used for laying in electric-installation tubes, under and on plaster installation in dry rooms and in closed installation conduits. Direct laying in cable guides is not permitted. Also applied for internal wiring of distribution and switching boxes equipment, same as for protective laying for lighting of nominal voltage up to 1000 V alternating current, or up to 750 V direct current against earth.

DESIGN STANDARDS

HRN HD 21.3 S3
IEC 60227-3
ISIRI (607) 01/05
DIN VDE 0281 part 3

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Code No	conductor cross-section	Construction of individual conductor	External diameter	Insulation thickness	Conductor resistance at 20 °C	Specific. el. resistance of insulation at 70°C	Cable weight	Packing*
	mm ²	nominal n x mm	min-max. mm	nominal mm	max. Ω/km	min. MΩkm	approx. kg/km	
1415	1.5	7 x 0.52	2.9-3.1	0.7	12.1	0.01	20	c.100
1425	2.5	7 x 0.66	3.5-3.7	0.8	7.41	0.009	35	c.100
1440	4	7 x 0.85	4.1-4.3	0.8	4.61	0.0077	50	c.100
1460	6	7 x 1.04	4.6-4.8	0.8	3.08	0.0070	75	c.100
14100	10	7 x 1,35	5,6 - 06,7	1,0	1,83	0,0067	120	c.100
14160	16	7 x 1,70	6,4 - 07,8	1,0	1,150	0,0056	175	c.100
14250	25	7 x 2,13	8,1 - 09,7	1,2	0,727	0,0053	275	c.50, CUT
14350	35	7 x 2,52	9,0 - 10,9	1,2	0,524	0,0046	370	c.50, CUT
14500	50	19 x 1,83	10,6 - 12,8	1,4	0,387	0,0046	500	CUT
14700	70	19 x 2,17	12,1 - 14,6	1,4	0,268	0,0040	710	CUT
14950	95	19 x 2,52	14,1 - 17,1	1,6	0,193	0,0039	970	CUT
14120	120	37 x 2,03	15,6 - 18,8	1,6	0,153	0,0035	1200	CUT
14150	150	37 x 2,27	17,3 - 20,9	1,8	0,124	0,0035	1470	CUT
14185	185	37 x 2,6	19.3 - 23.3	2.0	0.0991	0.0035	1780	CUT
14240	240	37 x 2,95	24.5 - 29.6	2.2	0.0754	0.0032	2330	CUT

*)Packing: c.100 = coil 100 m, c.200 = coil 200 m CUT= cable in different lengths on drum or reel, possible cutting at required

Code No	conductor cross-section	Current - Carrying Capacity at 30° C		Short circuit current at 1 sec
		Ground Max (A)	Air Max (A)	
1415	1.5	15	24	0.17
1425	2.5	19	32	0.29
1440	4	25	42	0.46
1460	6	33	54	0.69
14100	10	45	73	1.15
14160	16	61	98	1.84
14250	25	83	129	2.88
14350	35	103	158	4.03
14500	50	132	197	5.75
14700	70	165	245	8.05
14950	95	207	290	10.93
14120	120	235	345	13.8
14150	150	---	390	17.25
14185	185		475	21.3
14240	240		560	27.6