

**Preduzeće za proizvodnju elektroprovodnika
“ELKOK” AD Kosjerić, Olge Grbić 3**

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Halogen-free energy cables with improved behavior in case of fire

STANDARD

SRPS HD 604 S1,
part 5, section G

TIP

NA2XH



PRODUCT DESCRIPTION

The cable cores are made of aluminum conductors insulated with crosslinked polyethylene. Insulated cores are mutually stranded. Over stranded cores is a fine layer of non-vulcanized, non-combustible, easy-removable rubber filling. External sheath is made of thermoplastic non-combustible mass.

Embedded materials do not contain halogen elements and corrosive gases.

Conductor: SRPS EN 60228, class 1 or 2

Insulation: XLPE 2XI1 acc to HD 604

Sheath: thermoplastic, non-combustible, halogen free mass HM4 acc to HD 604

Rated voltage: 0,6/1 kV

Test voltage: 4 kV

Operating temperature: 90°C

AREA OF USE

This type of cable is used for facilities or industry plants with increased security requirements: hospitals, schools, airports, sport venues, hotels, subways etc.

PACKAGING

Cable is packaged on suitable wooden drums.

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TECHNICAL CHARACTERISTICS:

Core number and conductor cross section (mm ²)	Electrical Resistance at 20°C max (Ω/km)	Nominal insulation thickness (mm)	Nominal sheath thickness (mm)	External cable diameter (mm)	Cable weight Approx. (kg/km)
1x10	3,08	0,7	1,2	7,4	59,7
1x16	1,91	0,7	1,2	8,4	89,6
1x25	1,20	0,9	1,2	9,9	126,5
1x35	0,868	0,9	1,2	11	162,6
1x50	0,641	1,0	1,2	12,5	213,4
1x70	0,443	1,1	1,3	14,1	281,7
1x95	0,320	1,1	1,3	16,1	378,1
1x120	0,253	1,2	1,4	17,5	458,8
1x150	0,206	1,4	1,4	19,6	583,5
1x185	0,164	1,6	1,5	21,8	708,6
1x240	0,125	1,7	1,6	24	909,4

Core number and conductor cross section (mm ²)	Electrical Resistance at 20°C max (Ω/km)	Nominal insulation thickness (mm)	Nominal sheath thickness (mm)	External cable diameter (mm)	Cable weight Approx. (kg/km)
3x4	7,41	0,7	1,2	10,9	138,2
3x6	4,61	0,7	1,2	12,0	184,6
4x4	7,41	0,7	1,2	11,9	164,5
4x6	4,61	0,7	1,2	13,1	205,7
4x10	3,08	0,7	1,3	15,6	308,3
4x16	1,91	0,7	1,4	18,7	459,1
4x25	1,20	0,9	1,5	21,7	635,2
4x35	7x2,5	0,9	1,5	22,4	823,4
S-4x50	0,868	1,0	1,5	25,4	937,3
S-4x70	0,641	1,1	1,6	29,7	1256,4
S-4x95	0,443	1,1	1,7	33,3	1582,2
S-4x120	0,320	1,2	1,8	37,2	1902,3
5x4	7,41	0,7	1,2	12,9	180,4
5x6	4,61	0,7	1,3	14,4	236,3
5x10	3,08	0,7	1,3	17,0	354,9