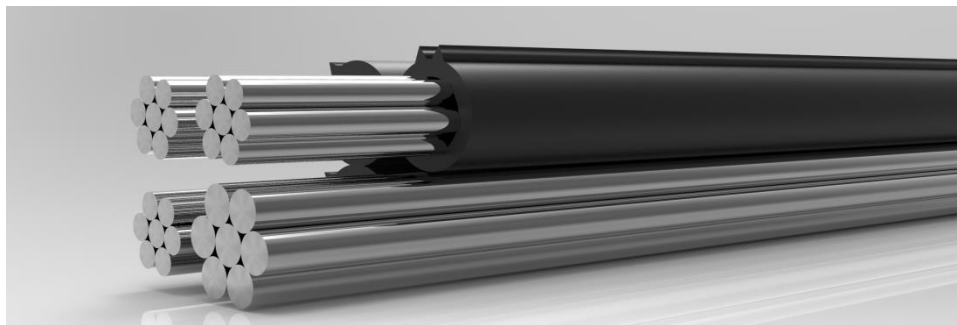




Norme (standards): HD 626 S1, part 5D



PODRUČJE PRIMJENE

Za distributivnu nisku nadzemnu mrežu u gradu, profesionalnim gradskim i ruralnim područjima. Za opskrbu udaljenim objektima i selima privremenog i trajnog karaktera. Prikladna za vanjsku upotrebu, instalirana u zraku na stupovima, otporna na UV zrake. Za nadzemne kućne veze. Priključak za ugradnju kompatibilan sa EN 50483-1 i EN 50483-3 standardima. Vrijeme skladištenja bez skloništa, a da se ne izgube bilo koja električna ili fizička svojstva, roba je izložena UV zračenju, vlazi, vrućini, mrazu ili bilo kojoj kombinaciji – 5 godina.

KONSTRUKCIJA

Fazni vodiči: Al vodiči, klasa 2 prema normi EN 60228

Neutralni vodič: Al legura vodiči, klasa 2 prema normi HD 626 S1, p, 5D

Izolacija: Crna PE masa TIP - 3

TEHNIČKE KARAKTERISTIKE

Nazivni napon (U_0/U): 0,6/1 kV

Ispitni napon: 4 kV

Min. temp. pri polaganju: -20°C

Radna temp. ambijenta: -40°C do +40°C

Max. radna temperatura: 70°C

Max. temp. kratkog spoja: 135°C

Markiranje na kabeu: proizvođač, tip kabela, godina proizvodnje, oznaka metraže

Trajanje markiranja: 5 godina

Vijek trajanja kabela: 40 godina

APPLICATION

For distributive low overhead network in the city, pros urban and rural areas.

For supply of remote facilities and villages of temporary and permanent character. Suitable for outdoor use, installed in air on the poles, UV resistant. For above-ground house connections.

Mounting fittings compatible with EN 50483-1 and EN 50483-3 standards. Storage time without shelter not losing any of electrical or physical properties, i.e. goods are exposed to UV radiation, humidity, heat, frost or any combination of it – 5 years

CONSTRUCTION

Phase onductors: Al, class 2 according to EN 60228

Neutral onductor: Al alloy, class 2 according to HD 626 S1, p, 5D

Insulation: Black weather reistant PE compound TIP - 3

TECHNICAL CHARACTERISTICS

Voltage rating (U_0/U): 0,6/1 kV

Testing voltage: 4 kV

Min. temp. for cable laying: -20°C

Operating ambient temperature: -40°C to +40°C

Max. working temperature: 70°C

Max. short-circuit temperature: 135°C

Cable marking: manufacturer, type of cable, year of production, meter marking

Durability of cable markings: 5 years

Cable service lifetime: 40 years

Basic cable data	AMKA 1x16+25	AMKA 3x16+25	AMKA 3x25+35	AMKA 3x35+50	AMKA 3x70+95
Diameter of phase cond. (mm):	4,4	4,4	5,8	6,8	9,6
Nominal thickness of insulation (mm):	1,4	1,4	1,4	1,6	1,8
Diameter of messenger (mm):	5,8	5,8	6,8	8,0	11,3
Construction of messenger:	7x2,30	7x2,30	7x2,70	7x3,12	7x4,36
Max. diameter of cable (mm):	15	22	26	30	41
Weight of aluminium (kg/km):	100	185	285	390	775
Weight of cable (kg/km):	140	270	390	530	990
Min. permissible bending radius during laying (m):	0,28	0,42	0,50	0,58	0,78
Min. permissible bending radius at final installation (m):	0,20	0,30	0,35	0,41	0,55
Min. tensile strength of messenger (kN):	7,4	7,4	10,3	14,2	27,9
Max. DC resistance of phase conductor at 20°C (Ω/km):	1,91	1,91	1,20	0,868	0,443
Max. DC resistance of messenger at 20°C (Ω/km):	1,380	1,380	0,986	0,720	0,363
Phase reactance (Ω/km):	0,087	0,104	0,098	0,094	0,089
Messenger reactance (Ω/km):	0,067	0,080	0,080	0,080	0,074
Max. continuous load (A):	75	70	90	115	180
Max. permissible short circuit load for phase conductor, 1 s (kA):	1,0	1,0	1,6	2,3	4,5
Max. permissible short circuit load for messenger, 1 s (kA):	1,5	1,5	2,1	3,0	5,9
Effective diameter in wind (mm):	11	20	23	27	36
Phase windings step (mm):	600 - 800	600 - 800	600 - 800	700 - 900	800 - 1230