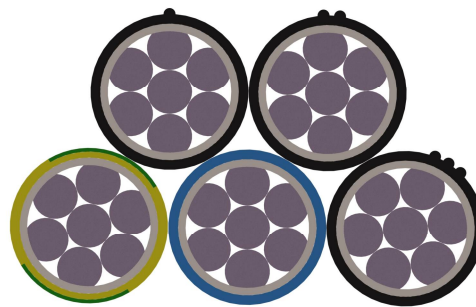


EX-D 0,6/1 kV



This cross-section is an example of a cable with both the number of conductors and the proposition of size and color.

EX-D 0,6/1 kV - Self-supporting, bundle assembled, aerial low voltage double insulated cables with aluminum conductors (Al) and polyethylene insulation (PE) for overhead power lines with nominal voltage 0.6/1 kV.

Application: overhead power distribution system up to 1 kV. Special double insulated suspension cables also allowed as a crossing line and branch line, cable is designe for fixed installation in air. The cable design allows you to go down from the last pole to the junction box. It is allowed to lay in the ground in pipes for short distances.

Standard: acc. to **HD 626-3I, IEC 60502-1**

	Rated voltage U_0/U_n : 0,6/1 kV No. and cross-section of cores: 5 x 50 mm² High Voltage test (sprak test): 12kVAC / 18kV DC				
	Core identification: 1-core: black, one ridge (phase conductor) 2-core: black, two ridges (phase conductor) 3-core: black, three ridges (phase conductor) 4-core: blue (N conductor) 5-core: yellow-green (PE conductor)	Phase cores: Longitudinal embossed ridges on insulation in amount 1, 2, 3, visible with the naked eye and checked by touch acc. to HD 626-3I			
	Cables construction: Conductors: acc. to HD 626, aluminum, class 2, round, compacted Inner Insulation: weatherproof halogen-free polyethylene PE (TIP-5 HD 626-1), extruded natural colour Outer Insulation/sheath: weatherproof halogen-free polyethylene PE (TIP-5 HD 626-1), extruded coloured polyethylene Laying up : insulated conductors are stranded together (without the central filler) Cable marking: on blue core eg.CE year eltrim EX-D 5x50 mm2 0,6/1kV Prod Lot No, Length m				
	Cable properties: CPR class : F _{CA} acc.to PN-EN 50575:2015-03/A1:2016-11 Current-carrying capacity: max. load of the conductor 180A Max. temp. of the conductor.: 70°C Temp. at the insulation surface: max +70°C Short-circuit conductor temp.: max +135°C / 5s The lowest temp. during instalation without heating :-15°C Storage: max +40°C Fixed installation permitted operation temp.: -20°C to +50°C				
	Cable bending radius min: 15 x D D – cable outer diameter				
	Packaging: 500m wooden drum – size 14 or 1000m wooden drum – size 20				
REACH/SVHC declaration: Fulfills the REACH requirements RoHS declaration: Fulfills the RoHS requirements					

Producent zastrzega możliwość zmian bez konieczności informowania klienta.



Technical Data –EX-D 0,6/1 kV

No and cross-section and type of conductors	Double-insulation thickness	Insulated conductor diameter	Approx. diameter of bundle	Delivered length of the cable	Breaking load of the conductor Min.	Calculated minimum tensile strength of bundle	Max. resistance of conductor at 20°C	Approximate weight
n × mm ²	mm	mm	mm	m	kN	kN	Ω / km	kg/km
5 × 50	2,3	12,7	35,7	500 or 1000	7,3	32	0,641	1003

Information contained in this data sheet together with the data contained in the tables and sketches / drawings are given in good will and in convention/belief that they are correct at the time of publication. However, these informations don't comprise the warranty or basis to law responsibility Eltrim Kable Sp. z.o.o. Also Eltrim Kable Sp. z.o.o. reserve law to too correct this document at any time.

v.1.04 2020-10-21 PK

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