

One core installation cables

Standard: EN 50525-2-31



Design

1. Copper conductor - round, solid class 1
2. PVC insulation

Application

Cables are designed for installation on the surface or in pipes or similar closed systems. For fixed installation inside devices and lighting accessories. Suitable for fixed protected installations, lighting systems, control devices and for signalization and control circuits.

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 U ₀ /U	0,45/0,75 kV	Self-extinguishing of one cable	IEC 60332-1-2
Test voltage	2,5 (AC) kV	CPR-Classification	Eca
Maximal short-circuit conductor temperature	160 °C	UV stability	no
Maximal operating conductor temperature	70 °C	Packaging	drum, coil
Temperature range	from -30 *) up to 70 °C	Certificate	HAR
Minimal temperature for laying and manipulation	5 °C	RoHS	yes
Minimal storage temperature	-30 °C	REACH	yes
Colour of insulation	HD 308 S2	Declaration of Conformity EU (CE)	yes

Technical data

No. of cores and cross-section mm ²	Diameter of conductor mm	Thickness - nominal insulation mm	Diameter informative mm	Weight informative kg/km	Minimal radius of bend mm	Max. effective resistance conductor at 20°C Ω/km	Current carrying capacity single cable in air *1 A	Max. permitted pulling force N
1x1,5	1,3	0,7	2,7	19	13	12,1	24	75
1x2,5	1,7	0,8	3,3	30	16	7,41	32	125
1x4	2,2	0,8	3,8	45	19	4,61	43	200
1x6	2,7	0,8	4,2	63	21	3,08	55	300
1x10	3,5	1,0	5,4	105	27	1,83	77	500

*1 Air temperature: 30 °C

Note

*) Cable must not be mechanically stressed, if temperature drops below -15°C.