

DESCRIPTION

Single core non-sheathed electric cables with PVC insulation. These cables are suitable for energy transport and for electric connexion for fixed installations where resistance to ultraviolet rays is required.

Construction according to EN 50525-2-31.

CONSTRUCTION

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|-----------------|--------------------------------------|--------------|
| 1 - Conductor: | Flexible tinned copper, class 5 | a/EN 60228 |
| 2 - Insulation: | PVC, type TI1 | a/EN 50363-3 |
| | · Colours: green/yellow UV resistant | |



TECHNICAL SPECIFICATIONS

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|------------------------------------|--|----------------|
| Rated voltage: | 450 / 750 V | |
| | · These cables can be used at 0.6/1 kV when they are installed in a fixed installation mechanically protected, inside a distribution and control device. | |
| Test voltage: | 2.500 V | |
| Operating temperature: | -15 to +70 °C | |
| Maximum short-circuit temperature: | 160 °C (max. 5 s) | |
| UV resistant: | O.K. | |
| Bending radius: | 5 Ø | |
| CPR classification (class) | Eca | a/EN 50575 |
| No flame propagation: | Complies | a/EN 60332-1-2 |

Single core non-sheathed cables with PVC insulation

DATA AND DIMENSIONS

Dimensions and weights are approximates, subject to small variations due to process. Other sizes are possible on request.

Cross Section mm ²	Resistance ¹ Ω/km a 20°C	Max. Current ¹ Amps at 40°C	Insulation thickness, mm	Outer Ø mm	Weight Kg/km
1x1,5	13,7	15	0,7	2,9	20
1x2,5	8,21	21	0,8	3,6	32
1x4	5,09	27	0,8	4,1	46
1x6	3,39	36	0,8	4,7	63
1x10	1,95	50	1,0	6,0	108
1x16	1,24	66	1,0	7,1	159
1x25	0,795	84	1,2	8,7	244
1x35	0,565	104	1,2	9,9	335

Note 1: Maximum current capacity for three phase circuit and installation method C (see IEC 60364-5-523)