



DESCRIPTION

- Construction Standard: IEC 60502-1, UNE 21123-2
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Eca.**
- DoP number: **E015-ENG-RVALUMINIUM**
- Industrial use / Distribution network.
- Cable suitable for indoor and outdoor installations, open air, buried or in conduits.

Suitable cable for all types of underground networks for public power distribution, as well as low voltage connexions in industrial plants, urban networks, buildings, etc. Due to its rigidity, its use is recommended in installations with a simple configuration where a flexible cable is not needed. It can be installed outdoors, in ducts and even temporarily immersed in water.

TECHNICAL CHARACTERISTICS

Conductor	Aluminium, class 2, based on UNE-EN 60228 and IEC 60228.
Insulation	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE 21123, UNE HD 603 and XLPE according IEC 60502.
Outer sheath	PVC DMV-18 type according to UNE 21123-2 and ST2 type according to IEC 60502-1.
Nominal Voltage	0,6/1 kV C.A.
Voltage Test	3.500 V C.A. (5 minutes)
Maximum conductor temperatures	Normal operation 90°C Short circuit (5sec) 250°C



OTHER CHARACTERISTICS

- Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2.
- **Fire reaction (CPR) Eca.**
- High cold resistance -25°C (fixed and protected installations)
- Water resistance AD7 (ITX7) according IEC 60529.
- UV resistance (1 cycle) according to UNE 211605.
- Impact resistance: AG2 Medium severity.
- Rodent resistance under request.

PRODUCT RANGE

Section	Electric resistance 20°C (Ohm/km)	Insulation thickness (mm)	Outer sheath thickness (mm)	Maximum overall diameter (mm)	Weight (kg/m)
1x35	0,868	0,9	1,4	12,1	0,191
1x50	0,641	1	1,4	13,7	0,246
1x70	0,443	1,1	1,4	14,7	0,302
1x95	0,320	1,1	1,5	16,5	0,402
1x120	0,253	1,2	1,5	18,1	0,484
1x150	0,206	1,4	1,6	20,1	0,587
1x185	0,164	1,6	1,6	22,2	0,718
1x240	0,125	1,7	1,7	24,7	0,916
1x300	0,100	1,8	1,8	27,4	1,125
1x400	0,0778	2	1,9	31,5	1,447
1x500	0,0605	2,2	2	37,2	1,912

**The values of the outer diameters are approximate, always within production tolerance. For more information, please contact us.*

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