



DESCRIPTION

- Construction Standard: IEC 60502-1, UNE 21123-4
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) Nº 305/2011: **Reaction to fire Eca.**
- DoP number: **E014-ENG-RZ1ALUMINIUM**
- Industrial use / Distribution network.
- Cable suitable for indoor and outdoor installations, open air, buried or in conduits.

Halogen-free and fire-retardant aluminum cable. Cable for fixed installations in low voltage public distribution networks. Suitable for indoor, outdoor and buried installations.

TECHNICAL CHARATERISTICS

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	Thermoplastic polyolefin sheath DMZ-E type according to UNE 21123 and ST8 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.
- Non-fire propagation according to EN 60332-3-24, IEC 60332-3-24.
- Low halogen content according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1.
- Low corrosive gas emission according to EN 60754-2, IEC 60754-2.
- Low smoke emission according to EN 61034-2, IEC 61034-2.
- **Fire reaction (CPR) Eca.**
- High cold resistance -40°C (fixed and protected installations)
- Water resistance AD5 (ITX5) 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	0,192
1x50	0,641	1	1,4	13,7	0,232
1x70	0,443	1,1	1,4	14,7	0,304
1x95	0,320	1,1	1,5	16,5	0,400
1x120	0,253	1,2	1,5	18,1	0,485
1x150	0,206	1,4	1,6	20,1	0,589
1x185	0,164	1,6	1,6	22,2	0,720
1x240	0,125	1,7	1,7	24,7	0,916
1x300	0,100	1,8	1,8	27,4	1,128
1x400	0,0778	2	1,9	31,5	1,451
1x500	0,0605	2,2	2	37,2	1,917

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

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