



DESCRIPTION

- Construction standard: HD-603-5X.
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Eca.**
- DoP number: **E013-ENG-XZ1ALUMINIUM**
- 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 HD 603-1.
Outer sheath	Low Smoke Zero Halogen (LSZH) polyolefin DMO1 type according HD 603-1.
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



OTRAS CARACTERÍSTICAS

- Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2.
- 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 according HD 605.
- Impact resistance: AG2 Medium severity.
- Minimum bending radius 15 x OD (during installation)

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	1,3	11,9	0,170
1x50	0,641	1	1,3	12,8	0,210
1x70	0,443	1,1	1,4	14,7	0,285
1x95	0,320	1,1	1,4	16,4	0,367
1x120	0,253	1,2	1,4	17,9	0,453
1x150	0,206	1,4	1,4	19,8	0,544
1x185	0,164	1,6	1,4	21,8	0,665
1x240	0,125	1,7	1,5	24,8	0,866
1x300	0,100	1,8	1,8	27,4	1,083
1x400	0,0778	2	1,9	31,5	1,385

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

HEADQUARTER AGONCILLO (LA RIOJA)
Tel: +34 941 486 125

DELEGATION MADRID
Tel: +34 629 673 359