



DESCRIPTION

- Construction standard: HD-603-5X-2.
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Cca-s1b-d2-a1.**
- Industrial use / Distribution network.
- Cable suitable for indoor and outdoor installations, open air, buried or in conduits.

Halogen-free, fire-resistant, and low-smoke aluminum cable. This is a cable designed for fixed installations in low-voltage public distribution networks where high-security cables are required, such as in galleries or tunnels. Suitable for indoor, outdoor, direct burial, or conduit applications.

TECHNICAL CHARACTERISTICS

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.
Filler	Ignifugated filler with high fireproof properties
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

 <small>CONDUCTORES ELÉCTRICOS ESPECIALES</small>	XZ1(AS)-AL Aluminium 0,6/1 kV	Renewable energy
		REV00 – April 2023
		www.tecnicable.com

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) Cca-s1b-d2-a1.**
- High cold resistance -40°C (fixed and protected installations)
- Water resistance AD7 (ITX7) 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)	Minimum bending radius
1x25	1,20	1	1,3	15,5	326	232
1x50	0,641	1	1,3	17,8	440	267
1x95	0,320	1,1	1,4	21,4	657	321
1x150	0,206	1,4	1,4	24,8	887	372
1x240	0,125	1,7	1,5	30,1	1298	452

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

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