



DESCRIPTION

- Construction Standard: ET-03.354.006.3 Ed.5, IEC-60502-1.
- Construction Products Regulation (CPR) - (EU) Nº 305/2011:
 - ✓ **Reaction to fire Dca-s2-d2-a2** red jacket with two brown longitudinal stripes.
- DoP Number: **D001-ENG-RRF3Z1ALUMINUM_3KV**
- RoHS compliant.
- **Power railway indoor infrastructures.**

Halogen-free, flame and fire retardant cables, low smoke emission and reduced opacity, armoured with corrugated tinned steel tape and used for the energy supply of 3kV single-phase and three-phase distribution lines used in control, command and signaling installations in railway infrastructures.

TECHNICAL CHARACTERISTICS

Conductor	Aluminium conductor (Class 2) according to UNE-EN 60288.
Insulation	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE HD 603 and XLPE according IEC 60502.
Inner sheath	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE HD 603 and XLPE according IEC 60502.
Armour	Corrugated tinned steel tape (F3)
Outer sheath	Thermoplastic polyolefin sheath ST8 according to IEC 60502-1
Nominal Voltage	3/3 kV C.A
Voltage Test	9.500 V C.A. (5 minutes)
Minimum bending radius	10 x overall diameter
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.
- 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) Dca-s2, d2, a2.**
- UV resistance (1 cycle) according to UNE 211605.
- Water absorption resistance.
- High cold resistance.
- Impact and rodent resistance.



Insulation colors			
Conductors	Yellow	Brown	Green
2		●	●
3	●	●	●

SECTIONS

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
2X35	0,868	33,6	0,969	Dca-s2-d2-a2
2X50	0,641	35	1,157	Dca-s2-d2-a2
2X70	0,443	38,2	1,407	Dca-s2-d2-a2
2X95	0,320	41,8	1,723	Dca-s2-d2-a2
2X120	0,253	44,6	2,002	Dca-s2-d2-a2
2X150	0,206	47,8	2,314	Dca-s2-d2-a2
3X35	0,868	35,4	1,192	Dca-s2-d2-a2
3X50	0,641	36,9	1,341	Dca-s2-d2-a2
3X70	0,443	40,5	1,660	Dca-s2-d2-a2
3X95	0,320	44,4	2,049	Dca-s2-d2-a2
3X120	0,253	47,4	2,395	Dca-s2-d2-a2
3X150	0,206	50,8	2,776	Dca-s2-d2-a2

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

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