



CHARACTERISTICS

- :: Low water absorption.
- :: Ultra-violet light resistant (made on-demand).
- :: Resistance to the cold.
- :: Working voltage: 0,6/1 kV.
- :: AC 3.500 VTest: 5 minutes.
- :: Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- :: Halogen free: UNE-EN-50267-2-1; IEC-60754-1; BS-6425-1.
- :: Reduced emission toxic gas: NES-713; NFC-20454; IT \leq 1.5.
- :: Low opaque smoke emission: UNE-EN-61034-1-2; IEC-61034-1,2.
- :: No corrosive gas emission: UNE-EN-50267-2-3; IEC-60754-2; NFC-20453; BS-6425-2; pH \geq 4.3; C \leq 10 μ S/mm.
- :: Fire retardant: UNE-EN-60332-3; IEC-60332-3; IEEE-383; NFC-32070-C1.
- :: Working temperature (fixed installation): -40°C, +90°C.
- :: According to IEC-60502-1, UNE 21123-4, NI-56.30.17.

DESIGN

[CONDUCTOR]

- :: Annealed electrolytic copper.
- :: Class 5, according to UNE-EN-60228 (IEC-60228).
- :: 90°C in good condition continuous, 250°C in short circuit.

[INSULATION]

- :: Crosslinking polyethylene (XLPE), type DIX3 s/HD 603-1.
- :: Colours: Numbered blacks.

[INNER SHEATH]

- :: Thermoplastic special mixture, zero halogenous, fire retardant s/UNE-21123-4, annexed A.

[SCREEN]

- :: Copper wire braid (C4).

[OUTER SHEATH]

- :: Thermoplastic special mixture, zero halogenous, fire retardant s/UNE-21123-4, annexed A.
- :: Colour: Not prescribed (RC4Z1-K).
- :: Colour: Blue s/NI- 56.30.17 (ROZ1-K(AS)).

[APPLICATIONS]

- :: Control protected screen (with cooper wire braid, like protection against the electromagnetic disturbances, free halogen nonpropagators of the fire, low smoke-screening and low corrosivity and toxicity) to install in electrical substations (control, regulation, protection, signalling, etc.).

DIMENSIONAL CHARACTERISTICS

Wire N°xS (mm ²)	Insulation thickness (mm)	Outer sheath thickness (mm)	Aprox. overall diameter (mm)	(Kg/Km) – Approx. Height (Kg/Km)	Max. Resistance of Conductor at 20°C/(Km)	Intensity		Voltage drop	
						Outdoor Underground	1 0.8		
2X0.5	0.70	1.80	11.40	0.1900	0.0000	0.00	0.00	0.00	0.00
4X0.5	0.70	1.80	12.30	0.2220	0.0000	0.00	0.00	0.00	0.00
8X0.5	0.70	1.80	14.40	0.2990	0.0000	0.00	0.00	0.00	0.00
2X1	0.70	1.80	12.20	0.2220	0.0000	0.00	0.00	0.00	0.00
4X1	0.70	1.80	13.30	0.2680	0.0000	0.00	0.00	0.00	0.00
7X1	0.70	1.80	14.90	0.3430	0.0000	0.00	0.00	0.00	0.00
8X1	0.70	1.80	15.70	0.3740	0.0000	0.00	0.00	0.00	0.00
2X1.5	0.70	1.80	12.60	0.2410	0.0000	0.00	0.00	0.00	0.00
4X1.5	0.70	1.80	13.80	0.2960	0.0000	0.00	0.00	0.00	0.00
2X2.5	0.70	1.80	13.60	0.2900	0.0000	0.00	0.00	0.00	0.00
4X2.5	0.70	1.80	15.00	0.3680	0.0000	0.00	0.00	0.00	0.00
2X4	0.70	1.80	14.60	0.3460	0.0000	0.00	0.00	0.00	0.00