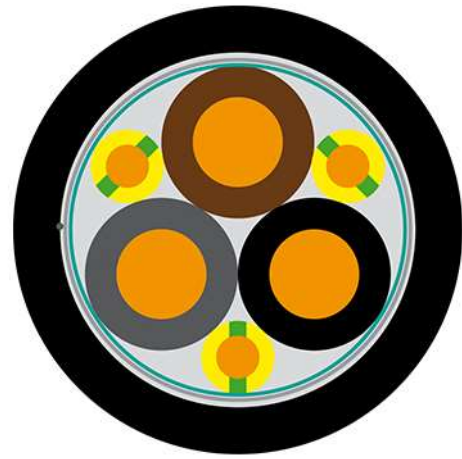


# Cables Instrumentation and control

## ROZ1-K (AS) VFD EMC



### Description

These cables are indicated for the transport and distribution of low voltage electricity. Recommended for industrial connections, service connections, internal distribution and outdoor connections.

It can be used in underground networks and permanent installations.

Reference Standards: IEC 60502

### Applications

Suitable for the following installations:

- Underground networks for low voltage distribution
- Outdoor lighting installations
- Indoor or receiver installations
- Installations in premises with special characteristics

### Technical Characteristics

1. Conductor	Flexible electrolytic copper (Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3-4. Screen	Copper braid on polyester aluminium tape.
5. Sheath	Thermoplastic polyolefin sheath according to UNE 21123
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C

#### Other characteristics

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24

Low halogen content according to IEC 60754-1 and 60754-2

Low corrosive gas emission according to IEC 60754-1 and 60754-2

Low opaque smoke emission according to UNE-EN 61034, EN 61034 and IEC 61034

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC.

### Dimensions

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
3x10 + 3G1,5	1,91	15,20	447
3x16 + 3G2,5	1,21	17,50	642
3x25 + 3G4	0,78	20,85	947
3x35 + 3G6	0,554	23,60	1.278
3x50 + 3G10	0,386	27,30	1.798
3x70 + 3G10	0,272	31,00	2.380
3x95 + 3G16	0,206	36,30	3.188
3x120 + 3G16	0,161	39,50	3.927
3x150 + 3G25	0,129	45,10	4.999
3x185 + 3G35	0,106	50,05	6.179
3x240 + 3G50	0,0801	58,00	8.218
4G1,5	13,3	10,80	147
4G2,5	7,98	11,70	190
4G4	4,95	13,05	257
4G6	3,3	14,35	340