CV-CVZ COPPER CABLE FOR INFRASTRUCTURE NETWORKS

Cables for substations and switchgear Intercity railways

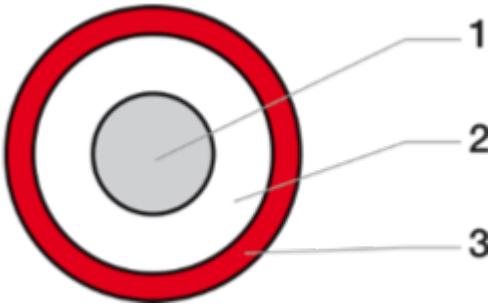
BENEFITS

- Wires with high resistance to cuts and sharp edges

APPLICATIONS

- Connecting relays and cards in the racks
- Wires for connecting relays and electronic signalling devices
- CV reserved for wiring the OCP (Optical Control Panel)

GENERAL CHARACTERISTICS



1. Rigid wires (CV and CVZ): solid tinned copper core - Class 1 or flexible wires (CV-S and CVZ-S): tinned copper stranded core - Class 5.
2. Insulation: white (CVZ) or coloured (CV) lead-free PVC - CV and CV-S wires: no outer sheath.
3. CVZ and CVZ-S wires: outer sheath in coloured polyamide + marking.

Mechanical

- Operating temperature: 70°C
- Resistant to mineral oil
- Abrasion-resistant
- Resistant to high temperatures under stress
- Bending radius:
  - Rigid - static: 5 x D - dynamic: 10 x D
  - Flexible - static: 4 x D - dynamic: 8 x D

Electrical

- Operating voltage: 750V

RANGE

	Composition	Cross-sectional area of core (mm2)	Composition of core Nb x Ømm	Diameter of insulation (mm)	Diameter of sheath (mm)	Net weight (kg/km)	Linear resistance Ohm/km	Reel format Length (m)
Rigid								
S2394	CV 1 x	0,5	1 x 0,80	1,60	-	6,0	36,70	200
R3526	CVZ 1 x	1,0	1 x 1,17	1,90	2,30	13,2	18,20	200
L5404	CVZ 1 x	2,5	1 x 1,78	2,70	3,10	29,3	7,56	200
Flexible								
L5405	CV-S 1 x	0,5	16 x 0,20	1,60	-	6,8	40,10	200
L2999	CVZ-S 1 x	0,5	16 x 0,20	1,60	2,30	7,6	40,10	200
R3527**	CVZ-S 1 x	1,0	32 x 0,20	2,10	2,50	14	20,00	200
L5406	CVZ-S 1 x	2,5	50 x 0,25	3,00	3,40	29,1	8,21	200
L5407	CVZ-S 1 x	6,0	84 x 0,30	4,20	4,60	57	3,39	100
R3823*	CVZ-S 1 p	1,0	32 x 0,20	2,10	2,50	29	20,00	200

* CVZ-S 1 p. x 1mm² = 2 CVZ-S 1 x 1mm² wires twisted together
**Wires kept in stock are black - Other colours are available on request according to model

NORMS AND STANDARDS

General standards

- SNCF CT 500 specification
- SNCF approved

Fire behavior

- EN 60332-1 Flame retardant