

HIGH TEMPERATURE WIRES AND CABLES  
FOR THE GENERAL MARKET  
SECTION I: CROSS LINKED ELASTOMERS

SILICONE INSULATED AND/OR SHEATHED  
WIRES AND CABLES WITH REINFORCING BRAID

# SILICABLE® CSVRI and ECSVRI

-60 °C to +220 °C



- 1 • Flexible bare copper (ref. CSVRI) or tin-plated (ref. ECSVRI) core class 5 as per IEC 60228.
- 2 • Insulation: Silicone rubber.
- 3 • Reinforcement: Varnished fibreglass braid.

### Approvals - standards

- VERITAS approval certificate No. BV 153552.
  - VDE certificates:
    - > No. 9296-5950-4001 TL3/Li-eck-kl.
    - > No. 16648-5950-4001/A1F Li-hz-kl.
- Halogen-free: IEC 60754-1 / EN 60754-1.

### Applications

- Cabling for household electrical heating appliances.
  - Street lighting.
- Industrial cabling in hot atmospheres.
- Wire specifically designed to facilitate stripping on automatic machines.

### Options

- Nickel-plated copper core: ref. CNCSVRI.
  - Stranded bare copper (ref. CSVRI-SP) or tin-plated (ref. ECSVRI-SP) core - class 2 as per IEC 60228: See details of the option below.
- Solid bare copper (ref. RCSVRI) or tin-plated (ref. RECSVRI) core - class 1 as per IEC 60228: See details of the option below.
- Other nominal cross-sections: contact us.
  - Other nominal stranding: contact us.
  - Other options and/or combinations of the options outlined above: contact us.

### Characteristics

#### General

- Continuous operating temperatures: -60 °C to +220 °C.
- Good resistance to thermal shock and UV.
- Specifically designed for stripping on automatic machines.

#### Electrical

- Rated voltage: 450/750 V.
- Test voltage: 2500 V.

### Standard products

- All solid colours, yellow/green or white with coloured spiral markings.

### CSVRI and ECSVRI

Flexible core • class 5 as per IEC 60228				INSULATED WIRE		
Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)	
0.5	16 x 0.20	-	0.4	2.2	8.5	
0.75	24 x 0.20	11 x 0.30	0.4	2.4	11.0	
1	32 x 0.20	14 x 0.30	0.4	2.5	13.2	
1.5	30 x 0.25	21 x 0.30	0.4	2.9	18.7	
2.5	50 x 0.25	35 x 0.30	0.5	3.5	29.4	
4	56 x 0.30	-	0.6	4.3	47.3	
6	84 x 0.30	-	0.8	5.3	72.0	

  

Option • CSVRI-SP and ECSVRI-SP					
Stranded core • class 2 as per IEC 60228					
Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.34*	7 x 0.25	57.5	0.4	1.7	5.7
0.5	7 x 0.30	36.0	0.4	1.9	7.9
0.75	7 x 0.37	24.5	0.4	2.1	10.6
1	7 x 0.43	18.1	0.4	2.3	13.4
1.5	7 x 0.52	12.1	0.4	2.6	18.5
2.5	7 x 0.67	7.41	0.5	3.4	29.8

  

Option • RCSVRI and RECSVRI					
Solid core • class 1 as per IEC 60228					
Nominal cross-section (mm <sup>2</sup> )	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.5	1 x 0.80	36.0	0.45	2.1	9.2
0.75	1 x 0.98	24.5	0.45	2.2	11.4
1	1 x 1.13	18.1	0.45	2.4	14.5
1.5	1 x 1.38	12.1	0.45	2.7	19.8
2.5	1 x 1.77	7.41	0.5	3.2	30.9
4**	1 x 2.24	4.61	0.6	4.0	48.1
6**	1 x 2.76	3.08	0.8	4.8	71.8

\* Nominal cross-sections not described in IEC 60228.  
\*\* Nominal cross-sections not available with the ref. RECSVRI.

For this product, please contact:

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