

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

SILICABLE®
Style 3779
UL approval
-60 °C to +180 °C



Approvals - standards

- UL approval as per standard UL 758
File no.: E101965
- "Horizontal flame test" as per UL approval.
 - Resistance to vertical flame propagation for a single insulated wire: IEC 60332-1-2.

Applications

- Internal cabling for electrical appliances

Options

- AWG American cross-sections and other nominal cross-sections: contact us.
- Other nominal stranding: contact us.

Characteristics

General

- Continuous operating temperatures: -60 °C to +180 °C.
- Halogen-free material.
- Good mechanical resistance, excellent resistance to abrasion

Electrical

- Rated voltage: 600 V
- Test voltage: 6,000 V

Standard products

- All solid colours, yellow/green or white with coloured spiral markings.
- Standard range in metric cross-sections, also available in AWG American cross-sections

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



- 1 • Flexible tin-plated or nickel-plated copper core – class 2 or 5 as per IEC 60228
- 2 • Optional separating tape.
- 3 • Insulation: Silicone rubber.
- 4 • Reinforcement: Varnished synthetic fibre braid.

Style no. 3779

Flexible core • class 2 or 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding		Maximum linear resistance at 20 °C (Ω/km)	
	Tin-plated copper	Nickel-plated copper	Tin-plated copper	Nickel-plated copper
0.6	-	19 x 0.20	-	36.0
0.75	-	24 x 0.20	-	26.7
1.0	7 x 0.43	32 x 0.20	18.2	20.0
1.5	7 x 0.52	30 x 0.25	12.2	13.7
2.5	19 x 0.40	50 x 0.25	7.56	8.21
4	32 x 0.40	56 x 0.30	4.70	5.09
6	48 x 0.40	84 x 0.30	3.11	3.39
10	77 x 0.40	-	1.95	-
16	119 x 0.40	-	1.24	-
25	192 x 0.40	-	0.795	-
35	259 x 0.40	-	0.565	-
50	370 x 0.40	-	0.393	-
70	333 x 0.50	-	0.277	-
95	444 x 0.50	-	0.210	-
120	568 x 0.50	-	0.164	-
150	721 x 0.50	-	0.132	-
185	888 x 0.50	-	0.108	-
240	1184 x 0.50	-	0.0817	-
300	1480 x 0.50	-	0.0654	-
400	1924 x 0.50	-	0.0495	-

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
2.9	9.8
3.1	13.6
3.2	17.6
3.5	22.7
4.0	33.8
4.9	53.2
5.9	72.8
7.0	121
8.4	179
10.4	278
12.8	372
14.5	534
16.7	703
18.1	950
21.7	1217
23.2	1560
25.5	1900
28.0	2400
31.5	3050
34.6	4000

For this product, please contact:

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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LES CABLES DE L'EXTREME