


HIGH TEMPERATURE WIRES

Thin insulation with reinforcing braid

▶ **SILIFLON®**
Style 10935 & 11881
Fluoropolymer insulated wires with reinforcing braid

- ▶ **New**
An innovation from OMERIN's laboratories
- ▶ **Space saving**
20% smaller than usual UL wires
- ▶ **Exceptional cut through resistance**
Improved of 250% compared to usual UL wires
- ▶ **UL /cUL – 600 V compliance**  **US**
High temperature up to **150°C** & **200°C**



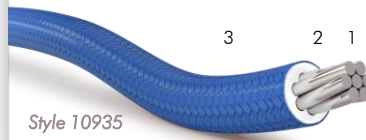
omerin
LES CABLES DE L'EXTREME

**HIGH TEMPERATURE WIRES AND CABLES
FOR THE GENERAL MARKET**

FLUOROPOLYMER INSULATED WIRES

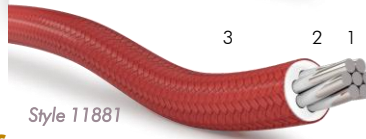
SILIFLON®

Style 10935 and Style 11881
*Thin fluoropolymer insulation
with reinforcing braid*



Style 10935

- 1 • Bare or tin-plated copper core
- 2 • Insulation: Fluorinated polymer ETFE
- 3 • Reinforcement: Varnished synthetic fibre braid



Style 11881

- 1 • Bare, tin-plated, nickel-plated or silver-plated copper core
- 2 • Insulation: Fluorinated polymer FEP
- 3 • Reinforcement: Varnished fiberglass braid



Approvals - standards

- UL approval as per standard UL 758
File no.: E101965
- cUL approval (CSA) as per standard C22.2 No. 210
(AWM I A/B FT1 FT2 600V)
File no.: E101965
- CSA approval as per standard C22.2 No. 127
(Equipment and Lead Wire) only for Style 10935
 - "Horizontal flame test" as per UL approval
 - "FT1 flame rating" as per cUL approval
 - "FT2 flame rating" as per cUL approval

Applications

- Internal cabling for electrical appliances or electronic appliances in specific environments (mechanical constraints, small spaces)

Characteristics

General

- Continuous operating temperatures:
Style 10935: -60°C to +150°C
Style 11881: -60°C to +200°C
- Excellent resistance to solvents, impregnation varnish and other chemical influences
- Excellent resistance to humidity and UV
- Excellent mechanical strength

Electrical

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

Standard products

- Standard insulation colour: white
- Standard reinforcing braid colours: white, blue, red, black, yellow or brown

AWG	Nominal cross-section		Average thickness of insulation (mm)	Nominal diameter*		Approximate linear weight (kg/km)
	(mm ²)	(mm)		Multistrand core (mm)	Solid core (mm)	
24	0.22	0.15	0.15	1.2	1.15	3.2
22	0.34	0.15	0.15	1.3	1.2	4.3
-	0.5	0.15	0.15	1.5	1.4	6.1
20	0.6	0.15	0.15	1.6	-	6.8
-	0.75	0.20	0.20	1.7	1.65	8.9
18	0.93	0.20	0.20	1.85	1.7	10.1
-	1	0.20	0.20	2.0	1.9	11.5
16	1.34	0.20	0.20	2.2	2.0	15.0
-	1.5	0.20	0.20	2.25	2.1	16.0
14	-	0.33	0.33	2.8	2.6	22.4
-	2.5	0.33	0.33	3.1	2.9	26.4
12	-	0.33	0.33	3.4	-	38.2
-	4	0.33	0.33	3.6	3.3	38.6
10	-	0.33	0.33	4.1	-	56.0
-	6	0.33	0.33	4.2	4.0	56.1
8	-	0.51	0.51	5.2	-	91.5
-	10	0.51	0.51	6.0	-	107
6	-	0.51	0.51	6.8	-	143
-	16	0.51	0.51	7.1	-	160
4	-	0.51	0.51	8.1	-	220
-	25	0.51	0.51	8.6	-	249
2	35	0.51	0.51	9.7	-	331
1	-	0.76	0.76	11.3	-	443
-	50	0.76	0.76	11.7	-	478
1/0	-	0.76	0.76	12.4	-	545
2/0	70	0.76	0.76	13.5	-	659
3/0	-	0.76	0.76	15.1	-	838
-	95	0.76	0.76	15.2	-	855
4/0	-	0.76	0.76	16.7	-	1045
-	120	0.76	0.76	16.9	-	1094

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* The diameter is provided for information purposes as it may vary depending on the stranding of the core. Only the average thickness of insulation should be taken into account.



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