SILIFLON® FEP and EFEP

-90 °C to +205 °C

1 • Bare (ref. FEP) or tin-plated (ref. EFEP) copper core.
2 • Insulation: Fluorinated polymer FEP.

Approvals - standards

• Series inspired by standards NF C 93-524 and DIN VDE 0250 Part 106.

Applications

• Cabling for rotating machines.
• Cabling in household electrical appliances, electronics.
• Cabling in hot or cold environments (cryogenics).
• Cabling in aggressive environments (humidity, chemicals, etc.).
• Cabling requiring compact size and excellent mechanical strength.

Options

• Nickel-plated copper core: ref. CNFEP.
• Silver-plated copper core: ref. AFEP.
• Pure nickel core: ref. NFEP.
• Outer electrical shielding:
> Tin-plated copper braid: ref. FEPBE or EFEPBE.
• Other nominal metric or American 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: -90 °C to +205 °C.
• Excellent resistance to aggressive chemical environments.
• Excellent resistance to humidity and UV.
• Excellent mechanical strength.

Electrical

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

Standard products

• All colours including translucent.

FEP and EFEP

CONDUCTING CORE			INSULATED WIRE OR CABLE		
Nominal cross-section (mm²)	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)
0.05	7 x 0.10	373	0.17	0.65	1.1
0.09	7 x 0.13	214	0.17	0.7	1.4
0.12*	7 x 0.15	161	0.17	0.8	1.9
0.14**	7 x 0.16	141	0.17	0.8	2.0
0.15	19 x 0.10	136	0.20	0.9	2.3
0.22	7 x 0.20	89.9	0.20	1.0	3.0
0.25	19 x 0.13	80.0	0.20	1.05	3.4
0.34	7 x 0.25	57.5	0.20	1.15	4.3
0.38**	19 x 0.16	54.1	0.20	1.15	4.6
0.5	7 x 0.30	39.6	0.20	1.3	5.9
0.5	16 x 0.20	39.0	0.20	1.3	6.2
0.6	19 x 0.20	32.8	0.20	1.4	6.7
0.75	24 x 0.20	26.0	0.20	1.45	8.8
0.88	7 x 0.40	22.2	0.20	1.5	9.3
0.93	19 x 0.25	21.0	0.20	1.7	10.5
1	32 x 0.20	19.5	0.20	1.7	11.9
1.34	19 x 0.30	14.6	0.20	1.9	14.3
1.5	30 x 0.25	13.3	0.20	1.95	16.3
2.5	50 x 0.25	7.98	0.20	2.5	26.6
4	56 x 0.30	4.95	0.25	3.1	40.4
6	84 x 0.30	3.30	0.35	3.9	57.7
10	80 x 0.40	1.91	0.40	5.2	104
16	126 x 0.40	1.21	0.40	6.2	150
25	196 x 0.40	0.780	0.60	8.2	248
35	276 x 0.40	0.554	0.60	9.2	328
50	396 x 0.40	0.386	0.70	11.2	478

* Nominal cross-section not available with the ref. EFEP.
** Nominal cross-sections not available with the ref. FEP.

For this product, please contact:

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