

Heat-Resistance Cables

FEP and EFEP -90°C to +205°C

RoHS



- ① Flexible red copper core (FEP) or tinned (EFEP)–IEC 228.
- ② FEP fluorinated polymer insulator.

Characteristics

Physical-chemical

- Continuous working temperatures : – 90°C to + 205°C
Peaks at + 220°C.
- Excellent resistance to aggressive chemical atmospheres.
- Excellent resistance to humidity and UV.
- Excellent mechanical strength.

Electrical

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

Products

- All colours, including translucent.

Options

- Nickel-plated copper core : ref. CNFEP.
- Silver-plated copper core : ref. AFEP.
- Pure nickel core : ref. NFEF.
- Cross-sections up to 240mm² : consult us.
- Other flexibility classes : consult us.

Packaging

- Rolls, spools, drums or SILIBOX®

Approvals - standards

- Series inspired by NFC93–524 and VDE 0250 / 106.

Applications

- Wiring of household appliances and electronics.
- Wiring in hot or cold environments (cryogenics).
- Wiring in aggressive environments (humid, chemical, etc.).
- Wiring that requires compact fitting and excellent mechanical strength.



Core

Insulated wire or cable

Nominal C/section mm ²	Nominal stranding	Nominal diameter mm	Max. linear resistance at 20°C Ω/km (red copper core)	Nominal insulation thickness mm	Outer diameter mm	Approx. linear weight kg/km
0.05*	7 x 0.10	0.30	373	0.17	0.65 ± 0.05	0.90
0.12*	7 x 0.15	0.45	161	0.17	0.80 ± 0.05	1.50
0.15*	19 x 0.10	0.50	136	0.20	0.90 ± 0.05	2.00
0.22*	7 x 0.20	0.60	89.9	0.20	1.00 ± 0.05	2.80
0.25	14 x 0.15	0.65	79.9	0.25	1.15 ± 0.10	4.00
0.34*	7 x 0.25 or 19 x 0.15	0.75	58.9	0.20	1.15 ± 0.05	3.90
0.5*	7 x 0.30	0.90	39.6	0.20	1.30 ± 0.05	5.90
0.5	16 x 0.20	0.95	39.0	0.25	1.40 ± 0.10	6.80
0.6*	19 x 0.20	1.00	32.8	0.25	1.50 ± 0.05	7.00
0.75*	7 x 0.37 or 37 x 0.16	1.10	24.5	0.25	1.60 ± 0.07	8.50
0.75	24 x 0.20	1.15	26.0	0.25	1.65 ± 0.10	9.60
0.88*	7 x 0.40	1.20	21.3	0.25	1.70 ± 0.07	9.50
0.93*	19 x 0.25	1.25	21.0	0.25	1.75 ± 0.07	10.3
1*	7 x 0.43	1.30	18.1	0.25	1.80 ± 0.07	11.1
1	32 x 0.20	1.30	19.5	0.25	1.80 ± 0.10	12.2
1.34*	19 x 0.30	1.50	14.6	0.25	2.00 ± 0.10	14.2
1.5*	19 x 0.315	1.55	13.3	0.30	2.05 ± 0.10	16.5
1.5	30 x 0.25	1.60	13.3	0.30	2.15 ± 0.10	17.7
1.88*	37 x 0.25	1.75	10.8	0.30	2.35 ± 0.10	21.3
2.04*	19 x 0.37	1.85	9.00	0.30	2.45 ± 0.10	21.7
2.39*	19 x 0.40	1.95	7.85	0.35	2.70 ± 0.10	25.2
2.5	50 x 0.25	2.00	7.98	0.35	2.75 ± 0.10	29.7
2.62*	37 x 0.30	2.10	7.49	0.35	2.80 ± 0.10	28.3
3.18*	45 x 0.30	2.40	6.00	0.35	3.10 ± 0.10	35.6
4*	19 x 0.52	2.55	4.95	0.40	3.40 ± 0.20	41.5
4	56 x 0.30	2.55	4.95	0.40	3.40 ± 0.20	46.5
6	84 x 0.30	3.10	3.30	0.40	4.00 ± 0.20	71.0
10	80 x 0.40	4.40	1.91	0.40	5.20 ± 0.20	125
16	126 x 0.40	5.40	1.21	0.40	6.20 ± 0.20	195

* Concentric cores.