

Heat-Resistance Cables

RoHS

- 90°C to + 155°C ETFE and EETFE

- ① Flexible red copper core (ETFE) or tinned (EETFE)-IEC228.
- ② ETFE fluorinated polymer insulator.



Characteristics

Physical-chemical

- Continuous working temperatures : - 90°C to + 155°C
Peaks at + 180°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. CNETFE.
- Silver-plated copper core : ref. AETFE.
- Pure nickel core : ref. NETFE.
- Cross-sections up to 240mm² : consult us.
- Other flexibility classes : consult us.

Packaging

- Rolls, spools, drums or SILIBOX®

Approvals - standards

- Series inspired by standard NF C 93-524 and VDE 0250 / 106.

Applications

- Wiring of rotating machines, class F.
- Wiring in household appliances, electronics.
- Wiring in hot or cold environments (cryogenics).
- Wiring in aggressive atmospheres (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 | 2.60 | 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.