

FIRE RESISTANT  
SAFETY CABLESSILIFLAM® 500 TX-K  
CR1-C1

- 1 • Flexible bare copper core, class 5 as per IEC 60228.
- 2 • E12 fire-resistant elastomer insulation.
- 3 • Outer sheath in fire-resistant elastomer.

## Approvals - standards

- Fire-resistant as per NF C 32-070 CR1 test (voltage 300/500 V).
  - Fire-resistant as per IEC 60331-21 90 minutes (voltage 600/1000 V).
- Fire retardant as per NF C 32-070 test C1, IEC 60332-3-22 and IEC 60332-3-24.
- Flame retardant as per NF C 32-070 test C2 and IEC 60332-1-2.
  - Halogen free as per IEC 60754-1.
- No smoke corrosiveness as per IEC 60754-2.
  - Low smoke opacity as per IEC 61034-2.
- Accepted to the NF-USE certification mark as per standards NF C 32-070 and NF C 32-310.

Characteristics  
General

- Rated voltage: 300/500 V.
- Maximum core temperature: +90 °C.
- Minimum bending radius: 10 x diameter.

## Standard products

- Outer sheath: brick red.

## Applications

- Fire safety circuits in public-access or high-rise buildings.

## Options

- Electrical shielding: tin-plated copper braid: reference SILIFLAM 500 TX-K BE.
- Solid or stranded bare copper core: reference PYRISOL 500 EN.

*SILIFLAM 500 TX-K cables in compliance with the regulations and the installation standard in force (NFC 15-100). Special arrangements must be made based on outside influences.*

*In particular, in an unsheltered outside installation, these cables must be protected from weather conditions and direct sunlight by being run in sleeveings, wireway or cowl.*

*SILIFLAM 500 TX-K cables are not designed to be buried or for permanent or temporary immersion.*

## Conducting core/sheath\*

Cross-sections (mm <sup>2</sup> )	Stranding	Outside diameter (mm)
2 x 1.5	30 x 0.25	9.6
3 x 1.5	30 x 0.25	10.2
4 x 1.5	30 x 0.25	11.1
5 x 1.5	30 x 0.25	12.3
2 x 2.5	50 x 0.25	10.8
3 x 2.5	50 x 0.25	11.5
4 x 2.5	50 x 0.25	12.8
5 x 2.5	50 x 0.25	13.6
2 x 4	56 x 0.30	12.6
3 x 4	56 x 0.30	13.4
4 x 4	56 x 0.30	14.5
5 x 4	56 x 0.30	16.0
1 x 6	84 x 0.30	5.7
2 x 6	84 x 0.30	14.0
3 x 6	84 x 0.30	14.9
4 x 6	84 x 0.30	16.3
5 x 6	84 x 0.30	18.0
1 x 10	80 x 0.40	7.3
2 x 10	80 x 0.40	17.4
3 x 10	80 x 0.40	18.5
4 x 10	80 x 0.40	20.4
5 x 10	80 x 0.40	22.6

## Conducting core/sheath\*

Cross-sections (mm <sup>2</sup> )	Stranding	Outside diameter (mm)
1 x 16	126 x 0.40	8.6
2 x 16	126 x 0.40	20.2
3 x 16	126 x 0.40	21.5
4 x 16	126 x 0.40	23.7
5 x 16	126 x 0.40	26.3
1 x 25	196 x 0.40	13.5
2 x 25	196 x 0.40	24.0
3 x 25	196 x 0.40	25.6
4 x 25	196 x 0.40	28.3
5 x 25	196 x 0.40	31.5
1 x 35	276 x 0.40	11.6
1 x 50	396 x 0.40	13.4
1 x 70	360 x 0.50	15.9
1 x 95	485 x 0.50	17.9
1 x 120	608 x 0.50	19.8
1 x 150	756 x 0.50	22.9
1 x 185	944 x 0.50	25.0
1 x 240	1221 x 0.50	27.5

\* Nominal values.

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**omerin**  
LES CABLES DE L'EXTREME

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

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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