PYRISOL® 500 EN
CR1-C1

1 • Solid or stranded bare copper core, class 1 or 2 as per IEC 60228.
2 • EI2 fire-resistant elastomer insulation.
3 • Outer sheath in halogen-free flame-retardant polyolefine.

Approvals - standards

- Fire-resistant as per NF C 32-070 CR1 test (voltage 300/500 V).
- Secured cable as per test report EFECTIS no. 11-H-304-A (except PYRISOL 500 E).
- 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.

Applications

- Fire safety circuits in public-access or high-rise buildings. U30 of the ERP safety regulation validated by the French Central Safety Commission of 6 March 2014.

PYRISOL 500O EN cables will be installed 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 sleevings, wireway or cowl.
PYRISOL 500 EN cables are not designed to be buried or for permanent or temporary immersion.

Characteristics

General

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

Standard products

- Outer sheath: orange.

Conducting core/sheath*	
Nominal cross-section (mm²)	Outside diameter (mm)
1 x 1.5(1)	4.5
1 x 2.5(1)	5.2
1 x 4(1)	5.8
1 x 6(1)	6.5
1 x 10	8.2
1 x 16	9.4
1 x 25	10.5
1 x 35	11.9
1 x 50	13.9
1 x 70	15.3
1 x 95	17.6
1 x 120	19.2
1 x 150	21.3
1 x 185	23.9
1 x 240	26.6
1 x 300	30.0
1 x 400	34.0

Conducting core/sheath*	
Nominal cross-section (mm²)	Outside diameter (mm)
2 x 1.5	6.9
3 x 1.5	7.4
4 x 1.5	8.3
5 x 1.5	9.3
7 x 1.5	10.8
12 x 1.5	14.5
19 x 1.5	17.4
24 x 1.5(1)	22.0
27 x 1.5(1)	22.5
37 x 1.5(1)	24.7
2 x 2.5	8.2
3 x 2.5	8.7
4 x 2.5	9.7
5 x 2.5	11.0
7 x 2.5	12.6
12 x 2.5	16.3
19 x 2.5	19.4
24 x 2.5(1)	25.9
27 x 2.5(1)	26.1
37 x 2.5(1)	29.2
2 x 4	9.8
3 x 4	10.4
4 x 4	11.6
5 x 4	13.0
7 x 4	14.6
2 x 6	11.8
3 x 6	12.8
4 x 6	14.1
5 x 6	15.7
7 x 6(1)	19.0

Conducting core/sheath*	
Nominal cross-section (mm²)	Outside diameter (mm)
2 x 10	15.2
3 x 10	16.2
4 x 10	17.9
5 x 10	20.0
7 x 10(1)	23.0
2 x 16	17.2
3 x 16	18.3
4 x 16	20.5
5 x 16	22.7
2 x 25	20.0
3 x 25	21.5
4 x 25	23.9
5 x 25	26.6
2 x 35	22.4
3 x 35	24.1
4 x 35	26.8
5 x 35	29.9
2 x 50	26.2
3 x 50	28.2
4 x 50	31.3
5 x 50	35.0
2 x 70	28.8
3 x 70	30.9
4 x 70	34.3
2 x 95	33.5
3 x 95	36.0

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the "x" (ex: 3G 1.5 mm²).

* Nominal values.

(1) Outer brick red sheath in fire-resistant elastomer: reference PYRISOL 500 E.

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