

# MULTIMAX® CF 331

## Characteristics

- Rated voltage: 600/1000 V.
  - Test voltage: 3500 V.
- Continuous operating temperature: -30 °C to +80 °C.
  - Maximum core temperature: +95 °C.
- Maximum core temperature in short-circuit: +250 °C.
- Minimum bending radius: 6 x D.



- 1 • Stranded bare copper core, class 2 as per IEC 60228.
- 2 • Fire-resistant elastomer insulation.
- 3 • Outer sheath in cross-linked HFFR compound, type SHF1.

## Standard products

- Outer sheath: orange.
- Colour identification of conductors:
  - > 1 conductor: black or white.
  - > 2 conductors: blue-brown.
  - > 3 conductors: brown-black-grey or green/yellow-blue-brown.
  - > 4 conductors: blue-brown-black-grey or green/yellow-brown-black-grey.
  - > 5 conductors: blue-brown-black-grey-black or green/yellow-blue-brown-black-grey.
  - > 7 to 37 conductors: numbered conductors.

## Approvals - standards

- Fire-resistant as per IEC 60331-1 or IEC 60331-2: 120 minutes.
  - Fire retardant as per IEC 60332-3-22.
- Flame retardant as per 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.
  - Dimensions as per IEC 60092-353.
- Manufacture and test as per IEC 60092-350.
  - BVM certification.

## Applications

- Fixed installation on board ships.

## Markings

- OMERIN 332 - MULTIMAX CF 331 0.6/1kV <cross-section> 95C IEC 60331-<1 or 2> (120) IEC 60332-3-22 <year>

## Options

- FLEX series (flexible tin-plated copper core, class 5 as per IEC 60228).
- LIGHT sheath (tubed outer sheath).
- Outer sheath in cross-linked HFFR compound, type SHF2 (BVM certification).

For this product, please contact:

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### CORE

Nominal cross-section <sup>(1)</sup> (mm <sup>2</sup> )	Nominal outside diameter (mm)	Approximate linear weight (kg/km)
1 x 1.0	5.4	40
1 x 1.5	5.7	50
1 x 2.5	6.1	60
1 x 4	6.7	80
1 x 6	7.3	100
1 x 10	8.4	150
1 x 16	9.6	210
1 x 25	10.8	310
1 x 35	11.9	410
1 x 50	13.9	580
1 x 70	15.3	780
1 x 95	17.6	1040
1 x 120	19.2	1290
1 x 150	21.3	1600
1 x 185	25.2	1980
1 x 240	26.8	2540
1 x 300	31.1	3160
2 x 1.0	8.9	96
2 x 1.5	9.7	118
2 x 2.5	10.6	151
2 x 4	13.0	247
2 x 6	14.2	314
2 x 10	17.1	471
2 x 16	19.1	634
2 x 25	21.9	908
2 x 35	24.3	1173
2 x 50	28.4	1641
2 x 70	31.0	2098
2 x 95	35.5	2793
2 x 120	39.1	3415
2 x 150	43.1	4240

### SHEATH

Nominal cross-section <sup>(1)</sup> (mm <sup>2</sup> )	Nominal outside diameter (mm)	Approximate linear weight (kg/km)
4 x 1.0	10.5	139
4 x 1.5	11.2	168
4 x 2.5	12.4	226
4 x 4	15.5	368
4 x 6	16.9	476
4 x 10	20.0	703
4 x 16	22.8	998
4 x 25	25.9	1441
4 x 35	28.9	1894
4 x 50	33.6	2653
4 x 70	36.8	3459
5 x 1.0	11.4	154
5 x 1.5	12.5	194
5 x 2.5	13.7	256
5 x 4	15.5	355
5 x 6	17.0	462
5 x 10	20.3	713
5 x 16	23.2	1033
5 x 25	26.8	1535
5 x 35	30.0	2048
5 x 50	35.3	2921
7 x 1.0	12.7	204
7 x 1.5	13.5	251
7 x 2.5	15.1	342
10 x 1.0	15.6	293
10 x 1.5	16.5	360
10 x 2.5	18.7	491
12 x 1.0	16.8	336
12 x 1.5	18.0	423
12 x 2.5	20.2	568
14 x 1.0	17.7	380
14 x 1.5	19.2	480
14 x 2.5	21.4	658
19 x 1.0	19.9	499
19 x 1.5	21.6	632
19 x 2.5	24.0	868
24 x 1.0	23.4	630
24 x 1.5	25.4	797
24 x 2.5	28.3	1095
27 x 1.0	24.1	703
27 x 1.5	25.9	877
27 x 2.5	28.9	1209
37 x 1.0	27.2	932
37 x 1.5	29.5	1182
37 x 2.5	32.8	1630

<sup>(1)</sup> Multi-conductor cables with an earth wire are identified by the symbol G in the place of the 'x' [ex: 3G 1.5 mm<sup>2</sup>].

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