

# MULTIMAX® CF



## Characteristics

- Rated voltage: 600/1000 V.
  - Test voltage: 3500 V.
- Continuous operating temperature: -30 °C to +80 °C.
  - Maximum core temperature: +90 °C.
- Maximum core temperature in short-circuit: +250 °C.
- Minimum bending radius: 6 x D.

## Standard products

- Outer sheath: black.
- Colour identification of conductors:
  - > 1 conductor: black.
  - > 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 retardant (NBN EN 60332-3-22) 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 0.6/1kV <cross-section> 90C 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:

OMERIN division principale

Zone Industrielle - F 63600 Ambert  
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10  
omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devev - F 42000 Saint-Etienne  
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00  
silisol@omerin.com

- 1 • Stranded bare copper core, class 2 as per IEC 60228.
- 2 • Cross-linked polyethylene insulation, type HF XLPE.
- 3 • Outer sheath in cross-linked HFFR compound, type SHF1.

CORE			SHEATH			CORE			SHEATH		
Nominal cross-section <sup>(1)</sup> (mm²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section <sup>(1)</sup> (mm²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section <sup>(1)</sup> (mm²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section <sup>(1)</sup> (mm²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)
1x1.0	4.9	32	4 x 1.0	8.8	96	4 x 1.0	8.8	96	4 x 1.0	8.8	96
1x1.5	5.2	39	4 x 1.5	9.8	129	4 x 1.5	9.8	129	4 x 1.5	9.8	129
1x2.5	5.6	51	4 x 2.5	10.8	175	4 x 2.5	10.8	175	4 x 2.5	10.8	175
1x4	6.3	70	4 x 4	14.2	313	4 x 4	14.2	313	4 x 4	14.2	313
1x6	6.9	92	4 x 6	15.7	418	4 x 6	15.7	418	4 x 6	15.7	418
1x10	7.9	131	4 x 10	17.6	593	4 x 10	17.6	593	4 x 10	17.6	593
1x16	8.9	195	4 x 16	20.7	880	4 x 16	20.7	880	4 x 16	20.7	880
1x25	10.3	290	4 x 25	23.5	1286	4 x 25	23.5	1286	4 x 25	23.5	1286
1x35	11.5	390	4 x 35	26.7	1733	4 x 35	26.7	1733	4 x 35	26.7	1733
1x50	12.7	542	4 x 50	29.8	2361	4 x 50	29.8	2361	4 x 50	29.8	2361
1x70	15.5	747	4 x 70	34.9	3256	4 x 70	34.9	3256	4 x 70	34.9	3256
1x95	17.1	988									
1x120	19.1	1259	5 x 1.0	10.0	116	5 x 1.0	10.0	116	5 x 1.0	10.0	116
1x150	21.1	1550	5 x 1.5	10.7	144	5 x 1.5	10.7	144	5 x 1.5	10.7	144
1x185	24.9	1930	5 x 2.5	11.9	201	5 x 2.5	11.9	201	5 x 2.5	11.9	201
1x240 <sup>(2)</sup>	27.6	2560	5 x 4	13.9	296	5 x 4	13.9	296	5 x 4	13.9	296
1x300 <sup>(2)</sup>	30.3	3000	5 x 6	15.9	413	5 x 6	15.9	413	5 x 6	15.9	413
			5 x 10	17.8	604	5 x 10	17.8	604	5 x 10	17.8	604
2x1.0	7.7	72	5 x 16	20.9	919	5 x 16	20.9	919	5 x 16	20.9	919
2x1.5	8.3	88	5 x 25	24.3	1387	5 x 25	24.3	1387	5 x 25	24.3	1387
2x2.5	9.3	119	5 x 35	27.7	1889	5 x 35	27.7	1889	5 x 35	27.7	1889
2x4	12.0	212	5 x 50	31.4	2645	5 x 50	31.4	2645	5 x 50	31.4	2645
2x6	13.2	274									
2x10	15.0	387	7 x 1.0	10.8	148	7 x 1.0	10.8	148	7 x 1.0	10.8	148
2x16	17.5	559	7 x 1.5	11.8	189	7 x 1.5	11.8	189	7 x 1.5	11.8	189
2x25	20.1	808	7 x 2.5	13.1	270	7 x 2.5	13.1	270	7 x 2.5	13.1	270
2x35	22.7	1071	10 x 1.0	13.1	210	10 x 1.0	13.1	210	10 x 1.0	13.1	210
2x50	25.4	1440	10 x 1.5	14.2	269	10 x 1.5	14.2	269	10 x 1.5	14.2	269
2x70	29.4	1959	10 x 2.5	16.7	387	10 x 2.5	16.7	387	10 x 2.5	16.7	387
2x95	33.1	2578	12 x 1.0	14.2	240	12 x 1.0	14.2	240	12 x 1.0	14.2	240
2x120	38.1	3279	12 x 1.5	15.7	320	12 x 1.5	15.7	320	12 x 1.5	15.7	320
2x150	41.3	4013	12 x 2.5	17.2	448	12 x 2.5	17.2	448	12 x 2.5	17.2	448
			14 x 1.0	14.1	271	14 x 1.0	14.1	271	14 x 1.0	14.1	271
3x1.0	8.1	83	14 x 1.5	16.5	363	14 x 1.5	16.5	363	14 x 1.5	16.5	363
3x1.5	8.7	102	14 x 2.5	18.5	519	14 x 2.5	18.5	519	14 x 2.5	18.5	519
3x2.5	9.8	142	19 x 1.0	16.9	360	19 x 1.0	16.9	360	19 x 1.0	16.9	360
3x4	12.7	250	19 x 1.5	18.6	477	19 x 1.5	18.6	477	19 x 1.5	18.6	477
3x6	14.4	344	19 x 2.5	20.6	675	19 x 2.5	20.6	675	19 x 2.5	20.6	675
3x10	16.0	479	24 x 1.0	19.9	455	24 x 1.0	19.9	455	24 x 1.0	19.9	455
3x16	18.6	696	24 x 1.5	21.3	603	24 x 1.5	21.3	603	24 x 1.5	21.3	603
3x25	21.3	1025	24 x 2.5	24.5	864	24 x 2.5	24.5	864	24 x 2.5	24.5	864
3x35	24.2	1376	27 x 1.0	20.3	498	27 x 1.0	20.3	498	27 x 1.0	20.3	498
3x50	27.0	1865	27 x 1.5	22.4	662	27 x 1.5	22.4	662	27 x 1.5	22.4	662
3x70	31.6	2571	27 x 2.5	25.0	953	27 x 2.5	25.0	953	27 x 2.5	25.0	953
3x95	35.3	3373	37 x 1.0	22.9	660	37 x 1.0	22.9	660	37 x 1.0	22.9	660
3x120	40.9	4288	37 x 1.5	25.2	880	37 x 1.5	25.2	880	37 x 1.5	25.2	880
3x150	44.3	5279	37 x 2.5	28.2	1273	37 x 2.5	28.2	1273	37 x 2.5	28.2	1273

<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 mm²).

<sup>(2)</sup> BVM certification.

[www.omerin.com](http://www.omerin.com)

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.

® Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.