

MULTIMAX® CF BL



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 BL 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 and tin-plated copper braid armour).
- Outer sheath in cross-linked HFFR compound, type SHF2 (BVM certification).

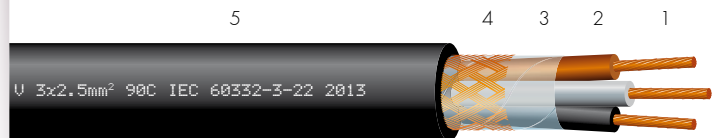
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- 1 • Stranded bare copper core, class 2 as per IEC 60228.
- 2 • Cross-linked polyethylene insulation, type HF XLPE.
- 3 • Separating tape.
- 4 • Bare copper braid armour.
- 5 • Outer sheath in cross-linked HFFR compound, type SHF1.

CORE			SHEATH			CORE			SHEATH		
Nominal cross-section ⁽¹⁾ (mm ²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section ⁽¹⁾ (mm ²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section ⁽¹⁾ (mm ²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)	Nominal cross-section ⁽¹⁾ (mm ²)	Nominal outside diameter (mm)	Approximate linear weight (kg/km)
1x1.0	5.8	55	4 x 1.0	10.1	140	1x1.0	5.8	55	14 x 1.0	16.6	390
1x1.5	6.2	65	4 x 1.5	10.9	170	1x1.5	6.2	65	14 x 1.5	18.2	500
1x2.5	6.6	80	4 x 2.5	12.0	220	1x2.5	6.6	80	14 x 2.5	20.1	670
1x4	7.3	100	4 x 4	13.6	300	1x4	7.3	100	19 x 1.0	18.5	490
1x6	7.9	120	4 x 6	15.8	440	1x6	7.9	120	19 x 1.5	20.2	620
1x10	9.2	180	4 x 10	17.8	630	1x10	9.2	180	19 x 2.5	22.2	840
1x16	10.2	240	4 x 16	21.0	900	1x16	10.2	240	24 x 1.0	21.5	610
1x25	11.7	350	4 x 25	24.3	1310	1x25	11.7	350	24 x 1.5	22.4	770
1x35	12.5	450	4 x 35	27.4	1740	1x35	12.5	450	24 x 2.5	26.1	1060
1x50	14.3	660	4 x 50	31.2	2410	1x50	14.3	660	27 x 1.0	21.9	650
1x70	16.5	880	4 x 70	36.2	3240	1x70	16.5	880	27 x 1.5	23.6	840
1x95	18.7	1130				1x95	18.7	1130	27 x 2.5	26.6	1150
1x120	20.7	1400	5 x 1.0	11.0	160	1x120	20.7	1400	37 x 1.0	24.5	830
1x150	22.7	1720	5 x 1.5	12.0	200	1x150	22.7	1720	37 x 1.5	26.8	1070
1x185	26.5	2050	5 x 2.5	13.1	260	1x185	26.5	2050	37 x 2.5	29.8	1490
1x240 ⁽²⁾	29.2	2780	5 x 4	15.6	400	1x240 ⁽²⁾	29.2	2780			
1x300 ⁽²⁾	31.9	3200	5 x 6	17.3	520	1x300 ⁽²⁾	31.9	3200			
			5 x 10	20.2	750						
2x1.0	9.0	105	5 x 16	23.1	1080	2x1.0	9.0	105			
2x1.5	9.6	120	5 x 25	26.7	1600	2x1.5	9.6	120			
2x2.5	10.4	150	5 x 35	30.1	2130	2x2.5	10.4	150			
2x4	12.0	200	5 x 50	34.3	2960	2x4	12.0	200			
2x6	13.1	250				2x6	13.1	250			
2x10	15.9	390	7 x 1.0	12.0	200	2x10	15.9	390	7 x 1.5	12.8	250
2x16	17.7	540	7 x 1.5	12.8	250	2x16	17.7	540	7 x 2.5	14.7	370
2x25	20.7	770	7 x 2.5	14.7	370	2x25	20.7	770	10 x 1.0	15.5	320
2x35	23.3	1000	10 x 1.0	15.5	320	2x35	23.3	1000	10 x 1.5	16.1	390
2x50	26.3	1350	10 x 1.5	16.1	390	2x50	26.3	1350	10 x 2.5	18.5	520
2x70	30.5	1800	10 x 2.5	18.5	520	2x70	30.5	1800	12 x 1.0	15.9	350
2x95	33.9	2320	12 x 1.0	15.9	350	2x95	33.9	2320	12 x 1.5	17.3	440
2x120	38.3	2980	12 x 1.5	17.3	440	2x120	38.3	2980	12 x 2.5	19.1	590
2x150	42.1	3640	12 x 2.5	19.1	590	2x150	42.1	3640	14 x 1.0	16.6	390
			14 x 1.0	16.6	390				14 x 1.5	18.2	500
3x1.0	9.4	120	14 x 1.5	18.2	500	3x1.0	9.4	120	14 x 2.5	20.1	670
3x1.5	10.1	140	14 x 2.5	20.1	670	3x1.5	10.1	140	19 x 1.0	18.5	490
3x2.5	10.8	180	19 x 1.0	18.5	490	3x2.5	10.8	180	19 x 1.5	20.2	620
3x4	12.7	250	19 x 1.5	20.2	620	3x4	12.7	250	19 x 2.5	22.2	840
3x6	14.0	320	19 x 2.5	22.2	840	3x6	14.0	320	24 x 1.0	21.5	610
3x10	16.2	500	24 x 1.0	21.5	610	3x10	16.2	500	24 x 1.5	22.4	770
3x16	18.8	710	24 x 1.5	22.4	770	3x16	18.8	710	24 x 2.5	26.1	1060
3x25	22.2	1030	24 x 2.5	26.1	1060	3x25	22.2	1030	27 x 1.0	21.9	650
3x35	24.1	1360	27 x 1.0	21.9	650	3x35	24.1	1360	27 x 1.5	23.6	840
3x50	27.1	1870	27 x 1.5	23.6	840	3x50	27.1	1870	27 x 2.5	26.6	1150
3x70	32.7	2510	27 x 2.5	26.6	1150	3x70	32.7	2510	37 x 1.0	24.5	830
3x95	36.4	3270	37 x 1.0	24.5	830	3x95	36.4	3270	37 x 1.5	26.8	1070
3x120	41.1	4170	37 x 1.5	26.8	1070	3x120	41.1	4170	37 x 2.5	29.8	1490
3x150	45.1	5120	37 x 2.5	29.8	1490	3x150	45.1	5120			

⁽¹⁾ Multi-conductor cables with an earth wire are identified by the symbol G in the place of the "x" [ex: 3G 1.5 mm²].

⁽²⁾ BVM certification.

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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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