

ÖLFLEX® FIRE MC

DS 382030000

valid from: 2018-03-31

Application

ÖLFLEX® FIRE MC are installed in areas whereby there is a need to maintain circuit integrity for prolonged period of time in a fire situation, these cables provides vital additional time to accomplish the evacuation of personnel, to contain and minimize the damage to equipment, plant and buildings, and to mount an effective fire fighting operation. These cables are specially used in wiring applications in critical life safety systems (e.g. Building management systems, emergency lightings, standby power supplies, lifts & elevators) in public such as airports, hotels, hospitals, subways, train stations, etc. Plant engineering and construction, industrial machinery and power stations

Design

Standard	BS 7846
Conductor	annealed bare copper conductor – IS 8130 / IEC 60228
Flame barrier tape	suitable flame barrier tape to sustain fire test.
Insulation	cross linked polyethylene insulated – BS 7655 / IS 7098
Inner Sheath	low smoke zero halogen with flame retardant properties
Armouring	GI round wire
Outer Sheath	low smoke zero halogen with flame retardant properties

Electrical properties

Nominal voltage	600 / 1000 V
Test voltage	3500 V AC for 5 minutes core to core.

Mechanical properties

Min. bending radius	fixed installation:	18 x cable OD
Temperature range	fixed installation:	-5 °C up to +90 °C max. conductor temperature

Flame and other tests

Flammability	in acc. with IEC 60332-1-2 & IEC 60332-3-24 (BS EN 50266-2-4)
Flame test	as per BS 6387
Oxygen index	>30 % in acc. to ASTM-D 2863
Temperature index	>250°C in acc. to ASTM-D 2863
Smoke density	70% Light Transmittance in acc. to EN 61034-2 or max. 20% in acc. to ASTM D 2843
Acid gas generation	max 0.5% in acc. to BS EN 50267-2-1 or IEC 60754-1

Special properties

This product conforms to RoHS directive (Restriction of the use of certain hazardous substances)

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Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
ÖLFLEX® FIRE MC - RMT2XHXSVAHX				
382030000	2x1.5	14.2	26.75	360.59
382030001	2x1.5	14.2	26.75	360.59
382030002	2x2.5	15.6	43.43	436.09
382030003	2x2.5	15.6	43.43	436.09
382030004	3x1.5	14.8	40.13	394.86
382030005	3x1.5	14.8	40.13	394.86
382030006	3x2.5	16.3	65.15	481.30
382030007	3x2.5	16.3	65.15	481.30
382030008	4x1.5	15.7	53.51	444.80
382030009	4x1.5	15.7	53.51	444.80
382030010	4x2.5	17.4	86.86	552.43
382030011	4x2.5	17.4	86.86	552.43
382030012	5x1.5	16.9	66.88	508.43
382030013	5x1.5	16.9	66.88	508.43
382030014	5x2.5	18.6	108.58	630.49
382030015	5x2.5	18.6	108.58	630.49
382030016	6x1.5	18.0	80.26	575.70
382030017	6x1.5	18.0	80.26	575.70
382030018	6x2.5	19.8	130.30	717.14
382030019	6x2.5	19.8	130.30	717.14
382030020	7x1.5	18.0	93.64	581.92
382030021	7x1.5	18.0	93.64	581.92
382030022	7x2.5	19.8	152.01	728.84
382030023	7x2.5	19.8	152.01	728.84
382030024	8x1.5	20.5	107.01	792.74
382030025	8x1.5	20.5	107.01	792.74
382030026	8x2.5	22.8	173.73	991.81
382030027	8x2.5	22.8	173.73	991.81
382030028	9x1.5	21.8	120.39	885.99
382030029	9x1.5	21.8	120.39	885.99
382030030	9x2.5	24.3	195.44	1118.00
382030031	9x2.5	24.3	195.44	1118.00
382030032	10x1.5	22.5	133.77	944.56
382030033	10x1.5	22.5	133.77	944.56
382030034	10x2.5	25.1	217.16	1191.70
382030035	10x2.5	25.1	217.16	1191.70
382030036	11x1.5	22.5	147.14	950.78
382030037	11x1.5	22.5	147.14	950.78
382030038	11x2.5	25.1	238.88	1203.40
382030039	11x2.5	25.1	238.88	1203.40
382030040	12x1.5	23.1	160.52	1005.61
382030041	12x1.5	23.1	160.52	1005.61
382030042	12x2.5	25.8	260.59	1273.09
382030043	12x2.5	25.8	260.59	1273.09
382030044	13x1.5	24.2	173.90	1088.38
382030045	13x1.5	24.2	173.90	1088.38
382030046	13x2.5	28.1	282.31	1556.90
382030047	13x2.5	28.1	282.31	1556.90
382030048	14x1.5	24.2	187.27	1094.60
382030049	14x1.5	24.2	187.27	1094.60
382030050	14x2.5	28.1	304.02	1568.60
382030051	14x2.5	28.1	304.02	1568.60
382030052	15x1.5	25.2	200.65	1183.22
382030053	15x1.5	25.2	200.65	1183.22
382030054	15x2.5	29.4	325.74	1707.99
382030055	15x2.5	29.4	325.74	1707.99
382030056	16x1.5	25.2	214.03	1189.44
382030057	16x1.5	25.2	214.03	1189.44
382030058	16x2.5	29.4	347.46	1719.70
382030059	16x2.5	29.4	347.46	1719.70
382030060	17x1.5	26.3	227.40	1276.39
382030061	17x1.5	26.3	227.40	1276.39
382030062	17x2.5	30.6	369.17	1840.58
382030063	17x2.5	30.6	369.17	1840.58
382030064	18x1.5	26.3	240.78	1282.61
382030065	18x1.5	26.3	240.78	1282.61
382030066	18x2.5	30.6	390.89	1852.28
382030067	18x2.5	30.6	390.89	1852.28
382030068	2x4	16.6	70.02	504.90
382030069	2x4	16.6	70.02	504.90
382030100	2x6	17.8	105.37	599.34
382030101	2x6	17.8	105.37	599.34
382030102	2x10	19.8	176.37	764.89
382030103	2x10	19.8	176.37	764.89

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382030104	2x16	22.7	281.41	1101.62
382030105	2x16	22.7	281.41	1101.62
382030106	2x25	23.5	443.90	1184.45
382030107	2x25	23.5	443.90	1184.45
382030108	2x35	26.7	615.71	1631.98
382030109	2x35	26.7	615.71	1631.98
382030110	2x50	29.0	832.75	1974.73
382030111	2x50	29.0	832.75	1974.73
382030112	2x70	31.9	1204.87	2512.19
382030113	2x70	31.9	1204.87	2512.19
382030114	2x95	35.7	1677.93	3395.57
382030115	2x95	35.7	1677.93	3395.57
382030116	2x120	38.4	2106.61	4012.34
382030117	2x120	38.4	2106.61	4012.34
382030118	2x150	41.7	2597.35	4743.59
382030119	2x150	41.7	2597.35	4743.59
382030120	2x185	46.5	3267.56	6100.34
382030121	2x185	46.5	3267.56	6100.34
382030122	2x240	50.4	4280.69	7456.79
382030123	2x240	50.4	4280.69	7456.79
382030124	2x300	54.7	5387.05	8955.52
382030125	2x300	54.7	5387.05	8955.52
382030126	3x4	17.4	105.03	570.50
382030127	3x4	17.4	105.03	570.50
382030128	3x6	18.7	158.05	683.96
382030129	3x6	18.7	158.05	683.96
382030130	3x10	21.5	264.55	999.22
382030131	3x10	21.5	264.55	999.22
382030132	3x16	24.1	422.11	1302.19
382030133	3x16	24.1	422.11	1302.19
382030134	3x25	27.7	665.85	1736.53
382030135	3x25	27.7	665.85	1736.53
382030136	3x35	29.9	923.56	2118.72
382030137	3x35	29.9	923.56	2118.72
382030138	3x50	32.1	1249.13	2582.99
382030139	3x50	32.1	1249.13	2582.99
382030140	3x70	36.2	1807.31	3373.25
382030141	3x70	36.2	1807.31	3373.25
382030142	3x95	42.9	2516.90	4722.65
382030143	3x95	42.9	2516.90	4722.65
382030144	3x120	44.8	3159.92	5532.58
382030145	3x120	44.8	3159.92	5532.58
382030146	3x150	49.8	3896.03	6985.52
382030147	3x150	49.8	3896.03	6985.52
382030148	3x185	53.7	4901.34	8362.59
382030149	3x185	53.7	4901.34	8362.59
382030150	3x240	58.1	6421.04	10288.33
382030151	3x240	58.1	6421.04	10288.33
382030152	3x300	62.9	8080.58	12427.15
382030153	3x300	62.9	8080.58	12427.15
382030154	3.5x25	29.3	806.56	1988.82
382030155	3.5x25	29.3	806.56	1988.82
382030156	3.5x35	31.5	1064.26	2371.80
382030157	3.5x35	31.5	1064.26	2371.80
382030158	3.5x50	34.7	1471.08	2957.01
382030159	3.5x50	34.7	1471.08	2957.01
382030160	3.5x70	39.8	2115.16	4154.59
382030161	3.5x70	39.8	2115.16	4154.59
382030162	3.5x95	44.0	2933.28	5250.48
382030163	3.5x95	44.0	2933.28	5250.48
382030164	3.5x120	49.3	3762.36	6844.64
382030165	3.5x120	49.3	3762.36	6844.64
382030166	3.5x150	53.3	4498.46	7898.34
382030167	3.5x150	53.3	4498.46	7898.34
382030168	3.5x185	59.3	5740.30	9670.57
382030169	3.5x185	59.3	5740.30	9670.57
382030170	3.5x240	64.4	7474.35	11948.74
382030171	3.5x240	64.4	7474.35	11948.74
382030172	3.5x300	67.5	9379.26	14188.05
382030173	3.5x300	67.5	9379.26	14188.05
382030174	4x4	18.6	140.04	658.48
382030175	4x4	18.6	140.04	658.48
382030176	4x6	20.9	210.74	907.26
382030177	4x6	20.9	210.74	907.26
382030178	4x10	23.1	352.74	1174.82

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ÖLFLEX® FIRE MC - RMT2XHXSVAHX				
382030179	4x10	23.1	352.74	1174.82
382030180	4x16	26.0	562.82	1553.47
382030181	4x16	26.0	562.82	1553.47
382030182	4x25	29.7	887.80	2086.70
382030183	4x25	29.7	887.80	2086.70
382030184	4x35	31.5	1231.41	2555.42
382030185	4x35	31.5	1231.41	2555.42
382030186	4x50	34.4	1665.51	3160.97
382030187	4x50	34.4	1665.51	3160.97
382030188	4x70	39.8	2409.75	4472.35
382030189	4x70	39.8	2409.75	4472.35
382030190	4x95	43.3	3355.87	5659.42
382030191	4x95	43.3	3355.87	5659.42
382030192	4x120	48.3	4213.23	7220.59
382030193	4x120	48.3	4213.23	7220.59
382030194	4x150	52.4	5194.70	8580.81
382030195	4x150	52.4	5194.70	8580.81
382030196	4x185	57.3	6535.12	10405.48
382030197	4x185	57.3	6535.12	10405.48
382030198	4x240	63.1	8561.39	12999.87
382030199	4x240	63.1	8561.39	12999.87
382030200	4x300	68.5	10774.11	15719.71
382030201	4x300	68.5	10774.11	15719.71
382030202	2x1.5	14.2	26.75	360.59
382030203	2x1.5	14.2	26.75	360.59
382030204	2x2.5	15.6	43.43	436.09
382030205	2x2.5	15.6	43.43	436.09
382030206	3x1.5	14.8	40.13	394.86
382030207	3x1.5	14.8	40.13	394.86
382030208	3x2.5	16.3	65.15	481.30
382030209	3x2.5	16.3	65.15	481.30
382030210	4x1.5	15.7	53.51	444.80
382030211	4x1.5	15.7	53.51	444.80
382030212	4x2.5	17.4	86.86	552.43
382030213	4x2.5	17.4	86.86	552.43
382030214	5x1.5	16.9	66.88	508.43
382030215	5x1.5	16.9	66.88	508.43
382030216	5x2.5	18.6	108.58	630.49
382030217	5x2.5	18.6	108.58	630.49
382030218	6x1.5	18.0	80.26	575.70
382030219	6x1.5	18.0	80.26	575.70
382030220	6x2.5	19.8	130.30	717.14
382030221	6x2.5	19.8	130.30	717.14
382030222	7x1.5	18.0	93.64	581.92
382030223	7x1.5	18.0	93.64	581.92
382030224	7x2.5	19.8	152.01	728.84
382030225	7x2.5	19.8	152.01	728.84
382030226	8x1.5	20.5	107.01	792.74
382030227	8x1.5	20.5	107.01	792.74
382030228	8x2.5	22.8	173.73	991.81
382030229	8x2.5	22.8	173.73	991.81
382030230	9x1.5	21.8	120.39	885.99
382030231	9x1.5	21.8	120.39	885.99
382030232	9x2.5	24.3	195.44	1118.00
382030233	9x2.5	24.3	195.44	1118.00
382030234	10x1.5	22.5	133.77	944.56
382030235	10x1.5	22.5	133.77	944.56
382030236	10x2.5	25.1	217.16	1191.70
382030237	10x2.5	25.1	217.16	1191.70
382030238	11x1.5	22.5	147.14	950.78
382030239	11x1.5	22.5	147.14	950.78
382030240	11x2.5	25.1	238.88	1203.40
382030241	11x2.5	25.1	238.88	1203.40
382030242	12x1.5	23.1	160.52	1005.61
382030243	12x1.5	23.1	160.52	1005.61
382030244	12x2.5	25.8	260.59	1273.09
382030245	12x2.5	25.8	260.59	1273.09
382030246	13x1.5	24.2	173.90	1088.38
382030247	13x1.5	24.2	173.90	1088.38
382030248	13x2.5	28.1	282.31	1556.90
382030249	13x2.5	28.1	282.31	1556.90
382030250	14x1.5	24.2	187.27	1094.60
382030251	14x1.5	24.2	187.27	1094.60
382030252	14x2.5	28.1	304.02	1568.60

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382030254	15x1.5	25.2	200.65	1183.22
382030255	15x1.5	25.2	200.65	1183.22
382030256	15x2.5	29.4	325.74	1707.99
382030257	15x2.5	29.4	325.74	1707.99
382030258	16x1.5	25.2	214.03	1189.44
382030259	16x1.5	25.2	214.03	1189.44
382030260	16x2.5	29.4	347.46	1719.70
382030261	16x2.5	29.4	347.46	1719.70
382030262	17x1.5	26.3	227.40	1276.39
382030263	17x1.5	26.3	227.40	1276.39
382030264	17x2.5	30.6	369.17	1840.58
382030265	17x2.5	30.6	369.17	1840.58
382030266	18x1.5	26.3	240.78	1282.61
382030267	18x1.5	26.3	240.78	1282.61
382030268	18x2.5	30.6	390.89	1852.28
382030269	18x2.5	30.6	390.89	1852.28
382030300	2x4	16.6	70.02	504.90
382030301	2x4	16.6	70.02	504.90
382030302	2x6	17.8	105.37	599.34
382030303	2x6	17.8	105.37	599.34
382030304	2x10	19.8	176.37	764.89
382030305	2x10	19.8	176.37	764.89
382030306	2x16	22.7	281.41	1101.62
382030307	2x16	22.7	281.41	1101.62
382030308	2x25	23.5	443.90	1184.45
382030309	2x25	23.5	443.90	1184.45
382030310	2x35	26.7	615.71	1631.98
382030311	2x35	26.7	615.71	1631.98
382030312	2x50	29.0	832.75	1974.73
382030313	2x50	29.0	832.75	1974.73
382030314	2x70	31.9	1204.87	2512.19
382030315	2x70	31.9	1204.87	2512.19
382030316	2x95	35.7	1677.93	3395.57
382030317	2x95	35.7	1677.93	3395.57
382030318	2x120	38.4	2106.61	4012.34
382030319	2x120	38.4	2106.61	4012.34
382030320	2x150	41.7	2597.35	4743.59
382030321	2x150	41.7	2597.35	4743.59
382030322	2x185	46.5	3267.56	6100.34
382030323	2x185	46.5	3267.56	6100.34
382030324	2x240	50.4	4280.69	7456.79
382030325	2x240	50.4	4280.69	7456.79
382030326	2x300	54.7	5387.05	8955.52
382030327	2x300	54.7	5387.05	8955.52
382030328	3x4	17.4	105.03	570.50
382030329	3x4	17.4	105.03	570.50
382030330	3x6	18.7	158.05	683.96
382030331	3x6	18.7	158.05	683.96
382030332	3x10	21.5	264.55	999.22
382030333	3x10	21.5	264.55	999.22
382030334	3x16	24.1	422.11	1302.19
382030335	3x16	24.1	422.11	1302.19
382030336	3x25	27.7	665.85	1736.53
382030337	3x25	27.7	665.85	1736.53
382030338	3x35	29.9	923.56	2118.72
382030339	3x35	29.9	923.56	2118.72
382030340	3x50	32.1	1249.13	2582.99
382030341	3x50	32.1	1249.13	2582.99
382030342	3x70	36.2	1807.31	3373.25
382030343	3x70	36.2	1807.31	3373.25
382030344	3x95	42.9	2516.90	4722.65
382030345	3x95	42.9	2516.90	4722.65
382030346	3x120	44.8	3159.92	5532.58
382030347	3x120	44.8	3159.92	5532.58
382030348	3x150	49.8	3896.03	6985.52
382030349	3x150	49.8	3896.03	6985.52
382030350	3x185	53.7	4901.34	8362.59
382030351	3x185	53.7	4901.34	8362.59
382030352	3x240	58.1	6421.04	10288.33
382030353	3x240	58.1	6421.04	10288.33
382030354	3x300	62.9	8080.58	12427.15
382030355	3x300	62.9	8080.58	12427.15
382030356	3.5x25	29.3	806.56	1988.82
382030357	3.5x25	29.3	806.56	1988.82
382030358	3.5x35	31.5	1064.26	2371.80

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ÖLFLEX® FIRE MC - RMT2XHXSVAHX				
382030359	3.5x35	31.5	1064.26	2371.80
382030360	3.5x50	34.7	1471.08	2957.01
382030361	3.5x50	34.7	1471.08	2957.01
382030362	3.5x70	39.8	2115.16	4154.59
382030363	3.5x70	39.8	2115.16	4154.59
382030364	3.5x95	44.0	2933.28	5250.48
382030365	3.5x95	44.0	2933.28	5250.48
382030366	3.5x120	49.3	3762.36	6844.64
382030367	3.5x120	49.3	3762.36	6844.64
382030368	3.5x150	53.3	4498.46	7898.34
382030369	3.5x150	53.3	4498.46	7898.34
382030370	3.5x185	59.3	5740.30	9670.57
382030371	3.5x185	59.3	5740.30	9670.57
382030372	3.5x240	64.4	7474.35	11948.74
382030373	3.5x240	64.4	7474.35	11948.74
382030374	3.5x300	67.5	9379.26	14188.05
382030375	3.5x300	67.5	9379.26	14188.05
382030376	4x4	18.6	140.04	658.48
382030377	4x4	18.6	140.04	658.48
382030378	4x6	20.9	210.74	907.26
382030379	4x6	20.9	210.74	907.26
382030380	4x10	23.1	352.74	1174.82
382030381	4x10	23.1	352.74	1174.82
382030382	4x16	26.0	562.82	1553.47
382030383	4x16	26.0	562.82	1553.47
382030384	4x25	29.7	887.80	2086.70
382030385	4x25	29.7	887.80	2086.70
382030386	4x35	31.5	1231.41	2555.42
382030387	4x35	31.5	1231.41	2555.42
382030388	4x50	34.4	1665.51	3160.97
382030389	4x50	34.4	1665.51	3160.97
382030390	4x70	39.8	2409.75	4472.35
382030391	4x70	39.8	2409.75	4472.35
382030392	4x95	43.3	3355.87	5659.42
382030393	4x95	43.3	3355.87	5659.42
382030394	4x120	48.3	4213.23	7220.59
382030395	4x120	48.3	4213.23	7220.59
382030396	4x150	52.4	5194.70	8580.81
382030397	4x150	52.4	5194.70	8580.81
382030398	4x185	57.3	6535.12	10405.48
382030399	4x185	57.3	6535.12	10405.48
382030400	4x240	63.1	8561.39	12999.87
382030401	4x240	63.1	8561.39	12999.87
382030402	4x300	68.5	10774.11	15719.71
382030403	4x300	68.5	10774.11	15719.71