

## ÖLFLEX® FIRE SC

DS 382030068

valid from: 2018-03-31

**Application**

ÖLFLEX® FIRE SC 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 & Outer sheath	low smoke zero halogen with flame retardant properties
Armouring	GI round wire

**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 <sup>2</sup> per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
<b>ÖLFLEX® FIRE SC - RMT2XHXSVAHX</b>				
382030068	1x4	11.9	35.01	264.73
382030069	1x4	11.9	35.01	264.73
382030070	1x6	12.5	52.68	302.09
382030071	1x6	12.5	52.68	302.09
382030072	1x10	13.6	88.18	374.01
382030073	1x10	13.6	88.18	374.01
382030074	1x16	15.4	140.70	529.26
382030075	1x16	15.4	140.70	529.26
382030076	1x25	17.3	221.95	699.96
382030077	1x25	17.3	221.95	699.96
382030078	1x35	19.8	307.85	959.04
382030079	1x35	19.8	307.85	959.04
382030080	1x50	21.3	416.38	1153.37
382030081	1x50	21.3	416.38	1153.37
382030082	1x70	23.7	602.44	1462.62
382030083	1x70	23.7	602.44	1462.62
382030084	1x95	27.0	838.97	1985.47
382030085	1x95	27.0	838.97	1985.47
382030086	1x120	28.9	1053.31	2331.23
382030087	1x120	28.9	1053.31	2331.23
382030088	1x150	31.0	1298.68	2720.40
382030089	1x150	31.0	1298.68	2720.40
382030090	1x185	35.1	1633.78	3559.00
382030091	1x185	35.1	1633.78	3559.00
382030092	1x240	38.0	2140.35	4279.89
382030093	1x240	38.0	2140.35	4279.89
382030094	1x300	41.3	2693.53	5122.80
382030095	1x300	41.3	2693.53	5122.80
382030096	1x400	45.2	3430.33	6194.17
382030097	1x400	45.2	3430.33	6194.17

Article number	Number of cores and mm <sup>2</sup> per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382030270	1x4	11.9	35.01	264.73
382030271	1x4	11.9	35.01	264.73
382030272	1x6	12.5	52.68	302.09
382030273	1x6	12.5	52.68	302.09
382030274	1x10	13.6	88.18	374.01
382030275	1x10	13.6	88.18	374.01
382030276	1x16	15.4	140.70	529.26
382030277	1x16	15.4	140.70	529.26
382030278	1x25	17.3	221.95	699.96
382030279	1x25	17.3	221.95	699.96
382030280	1x35	19.8	307.85	959.04
382030281	1x35	19.8	307.85	959.04
382030282	1x50	21.3	416.38	1153.37
382030283	1x50	21.3	416.38	1153.37
382030284	1x70	23.7	602.44	1462.62
382030285	1x70	23.7	602.44	1462.62
382030286	1x95	27.0	838.97	1985.47
382030287	1x95	27.0	838.97	1985.47
382030288	1x120	28.9	1053.31	2331.23
382030289	1x120	28.9	1053.31	2331.23
382030290	1x150	31.0	1298.68	2720.40
382030291	1x150	31.0	1298.68	2720.40
382030292	1x185	35.1	1633.78	3559.00
382030293	1x185	35.1	1633.78	3559.00
382030294	1x240	38.0	2140.35	4279.89
382030295	1x240	38.0	2140.35	4279.89
382030296	1x300	41.3	2693.53	5122.80
382030297	1x300	41.3	2693.53	5122.80
382030298	1x400	45.2	3430.33	6194.17
382030299	1x400	45.2	3430.33	6194.17