

ÖLFLEX® FIRE INSTRUM

DS 382030404

valid from: 2018-03-31

Application

ÖLFLEX® FIRE INSTRUM 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	EN 50288-7/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
Shielding	cores twisted into pairs or triads and individually or overall shielded with al-mylar tape with drain wire of 0.5 sq. mm.
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	500 V
Test voltage	2 KV AC for 1 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 INSTRUM - RMT2XOSHXSVAHX				
382030404	1x2x1.5	15.0	26.75	373.71
382030405	1x2x1.5	15.0	26.75	373.71
382030406	1x2x2.5	16.4	43.43	441.35
382030407	1x2x2.5	16.4	43.43	441.35
382030408	2x2x1.5	20.3	53.51	604.02
382030409	2x2x1.5	20.3	53.51	604.02
382030410	2x2x2.5	23.2	86.86	854.57
382030411	2x2x2.5	23.2	86.86	854.57
382030412	3x2x1.5	21.9	80.26	786.26
382030413	3x2x1.5	21.9	80.26	786.26
382030414	3x2x2.5	24.4	130.30	967.94
382030415	3x2x2.5	24.4	130.30	967.94
382030416	4x2x1.5	23.8	107.01	924.18
382030417	4x2x1.5	23.8	107.01	924.18
382030418	4x2x2.5	26.4	173.73	1124.49
382030419	4x2x2.5	26.4	173.73	1124.49
382030420	5x2x1.5	25.4	133.77	1033.90
382030421	5x2x1.5	25.4	133.77	1033.90
382030422	5x2x2.5	28.5	217.16	1286.17
382030423	5x2x2.5	28.5	217.16	1286.17
382030424	6x2x1.5	27.5	160.52	1170.56
382030425	6x2x1.5	27.5	160.52	1170.56
382030426	6x2x2.5	30.7	260.59	1450.22
382030427	6x2x2.5	30.7	260.59	1450.22
382030428	1x3x1.5	15.6	40.13	413.94
382030429	1x3x1.5	15.6	40.13	413.94
382030430	1x3x2.5	17.3	65.15	506.80
382030431	1x3x2.5	17.3	65.15	506.80
382030432	2x3x1.5	22.7	80.26	818.86
382030433	2x3x1.5	22.7	80.26	818.86
382030434	2x3x2.5	25.3	130.30	1003.04
382030435	2x3x2.5	25.3	130.30	1003.04
382030436	3x3x1.5	24.1	120.39	950.84
382030437	3x3x1.5	24.1	120.39	950.84
382030438	3x3x2.5	26.7	195.44	1172.18
382030439	3x3x2.5	26.7	195.44	1172.18
382030440	4x3x1.5	26.0	160.52	1104.75
382030441	4x3x1.5	26.0	160.52	1104.75
382030442	4x3x2.5	29.2	260.59	1392.78
382030443	4x3x2.5	29.2	260.59	1392.78
382030444	5x3x1.5	28.1	200.65	1265.53
382030445	5x3x1.5	28.1	200.65	1265.53
382030446	5x3x2.5	31.5	325.74	1594.10
382030447	5x3x2.5	31.5	325.74	1594.10
382030448	6x3x1.5	30.2	240.78	1426.80
382030449	6x3x1.5	30.2	240.78	1426.80
382030450	6x3x2.5	34.9	390.89	2012.38
382030451	6x3x2.5	34.9	390.89	2012.38
382030452	1x2x1.5	15.0	26.75	373.71
382030453	1x2x1.5	15.0	26.75	373.71
382030454	1x2x2.5	16.4	43.43	441.35
382030455	1x2x2.5	16.4	43.43	441.35
382030456	2x2x1.5	20.3	53.51	604.02
382030457	2x2x1.5	20.3	53.51	604.02
382030458	2x2x2.5	23.2	86.86	854.57
382030459	2x2x2.5	23.2	86.86	854.57
382030460	3x2x1.5	21.9	80.26	786.26
382030461	3x2x1.5	21.9	80.26	786.26
382030462	3x2x2.5	24.4	130.30	967.94
382030463	3x2x2.5	24.4	130.30	967.94
382030464	4x2x1.5	23.8	107.01	924.18
382030465	4x2x1.5	23.8	107.01	924.18
382030466	4x2x2.5	26.4	173.73	1124.49
382030467	4x2x2.5	26.4	173.73	1124.49
382030468	5x2x1.5	25.4	133.77	1033.90
382030469	5x2x1.5	25.4	133.77	1033.90
382030470	5x2x2.5	28.5	217.16	1286.17
382030471	5x2x2.5	28.5	217.16	1286.17
382030472	6x2x1.5	27.5	160.52	1170.56
382030473	6x2x1.5	27.5	160.52	1170.56
382030474	6x2x2.5	30.7	260.59	1450.22
382030475	6x2x2.5	30.7	260.59	1450.22
382030476	1x3x1.5	15.6	40.13	413.94
382030477	1x3x1.5	15.6	40.13	413.94

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382030478	1x3x2.5	17.3	65.15	506.80
382030479	1x3x2.5	17.3	65.15	506.80
382030480	2x3x1.5	22.7	80.26	818.86
382030481	2x3x1.5	22.7	80.26	818.86
382030482	2x3x2.5	25.3	130.30	1003.04
382030483	2x3x2.5	25.3	130.30	1003.04
382030484	3x3x1.5	24.1	120.39	950.84
382030485	3x3x1.5	24.1	120.39	950.84
382030486	3x3x2.5	26.7	195.44	1172.18
382030487	3x3x2.5	26.7	195.44	1172.18
382030488	4x3x1.5	26.0	160.52	1104.75
382030489	4x3x1.5	26.0	160.52	1104.75
382030490	4x3x2.5	29.2	260.59	1392.78
382030491	4x3x2.5	29.2	260.59	1392.78
382030492	5x3x1.5	28.1	200.65	1265.53
382030493	5x3x1.5	28.1	200.65	1265.53
382030494	5x3x2.5	31.5	325.74	1594.10
382030495	5x3x2.5	31.5	325.74	1594.10
382030496	6x3x1.5	30.2	240.78	1426.80
382030497	6x3x1.5	30.2	240.78	1426.80
382030498	6x3x2.5	34.9	390.89	2012.38
382030499	6x3x2.5	34.9	390.89	2012.38
382030500	2x2x1.5	22.7	53.51	804.49
382030501	2x2x1.5	22.7	53.51	804.49
382030502	2x2x2.5	25.2	86.86	967.99
382030503	2x2x2.5	25.2	86.86	967.99
382030504	3x2x1.5	24.1	80.26	929.29
382030505	3x2x1.5	24.1	80.26	929.29
382030506	3x2x2.5	26.6	130.30	1120.42
382030507	3x2x2.5	26.6	130.30	1120.42
382030508	4x2x1.5	26.1	107.01	1077.79
382030509	4x2x1.5	26.1	107.01	1077.79
382030510	4x2x2.5	29.0	173.73	1312.59
382030511	4x2x2.5	29.0	173.73	1312.59
382030512	5x2x1.5	28.1	133.77	1229.61
382030513	5x2x1.5	28.1	133.77	1229.61
382030514	5x2x2.5	31.4	217.16	1508.87
382030515	5x2x2.5	31.4	217.16	1508.87
382030516	6x2x1.5	30.3	160.52	1385.57
382030517	6x2x1.5	30.3	160.52	1385.57
382030518	6x2x2.5	34.6	260.59	1893.45
382030519	6x2x2.5	34.6	260.59	1893.45
382030520	2x3x1.5	25.0	80.26	961.50
382030521	2x3x1.5	25.0	80.26	961.50
382030522	2x3x2.5	27.8	130.30	1157.22
382030523	2x3x2.5	27.8	130.30	1157.22
382030524	3x3x1.5	26.4	120.39	1102.52
382030525	3x3x1.5	26.4	120.39	1102.52
382030526	3x3x2.5	29.4	195.44	1349.36
382030527	3x3x2.5	29.4	195.44	1349.36
382030528	4x3x1.5	28.5	160.52	1278.59
382030529	4x3x1.5	28.5	160.52	1278.59
382030530	4x3x2.5	32.1	260.59	1595.44
382030531	4x3x2.5	32.1	260.59	1595.44
382030532	5x3x1.5	30.8	200.65	1468.71
382030533	5x3x1.5	30.8	200.65	1468.71
382030534	5x3x2.5	35.6	325.74	2056.66
382030535	5x3x2.5	35.6	325.74	2056.66
382030536	6x3x1.5	34.2	240.78	1860.40
382030537	6x3x1.5	34.2	240.78	1860.40
382030538	6x3x2.5	38.4	390.89	2322.11
382030539	6x3x2.5	38.4	390.89	2322.11
382030540	2x2x1.5	22.7	53.51	804.49
382030541	2x2x1.5	22.7	53.51	804.49
382030542	2x2x2.5	25.2	86.86	967.99
382030543	2x2x2.5	25.2	86.86	967.99
382030544	3x2x1.5	24.1	80.26	929.29
382030545	3x2x1.5	24.1	80.26	929.29
382030546	3x2x2.5	26.6	130.30	1120.42
382030547	3x2x2.5	26.6	130.30	1120.42
382030548	4x2x1.5	26.1	107.01	1077.79
382030549	4x2x1.5	26.1	107.01	1077.79
382030550	4x2x2.5	29.0	173.73	1312.59
382030551	4x2x2.5	29.0	173.73	1312.59
382030552	5x2x1.5	28.1	133.77	1229.61



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ÖLFLEX® FIRE INSTRUM - RMT2XOSHXSVAHX				
382030553	5x2x1.5	28.1	133.77	1229.61
382030554	5x2x2.5	31.4	217.16	1508.87
382030555	5x2x2.5	31.4	217.16	1508.87
382030556	6x2x1.5	30.3	160.52	1385.57
382030557	6x2x1.5	30.3	160.52	1385.57
382030558	6x2x2.5	34.6	260.59	1893.45
382030559	6x2x2.5	34.6	260.59	1893.45
382030560	2x3x1.5	25.0	80.26	961.50
382030561	2x3x1.5	25.0	80.26	961.50
382030562	2x3x2.5	27.8	130.30	1157.22
382030563	2x3x2.5	27.8	130.30	1157.22
382030564	3x3x1.5	26.4	120.39	1102.52
382030565	3x3x1.5	26.4	120.39	1102.52
382030566	3x3x2.5	29.4	195.44	1349.36
382030567	3x3x2.5	29.4	195.44	1349.36
382030568	4x3x1.5	28.5	160.52	1278.59
382030569	4x3x1.5	28.5	160.52	1278.59
382030570	4x3x2.5	32.1	260.59	1595.44
382030571	4x3x2.5	32.1	260.59	1595.44
382030572	5x3x1.5	30.8	200.65	1468.71
382030573	5x3x1.5	30.8	200.65	1468.71
382030574	5x3x2.5	35.6	325.74	2056.66
382030575	5x3x2.5	35.6	325.74	2056.66
382030576	6x3x1.5	34.2	240.78	1860.40
382030577	6x3x1.5	34.2	240.78	1860.40
382030578	6x3x2.5	38.4	390.89	2322.11
382030579	6x3x2.5	38.4	390.89	2322.11