



ÖLFLEX® FIRE INSTRUM

Fire Survival cable Acc. to BS 6387 for circuit integrity of CWZ category

Info

- Fire tested Acc. To BS 6387 Cat. CWZ
- Twisted Pairs/Triads 500 V



Benefits

- Suitable for installation in underground tunnels where fire safety is critical.
- Armouring provides excellent protection against high mechanical stress and rodents
- AR (Anti Rodent) protection against rodents.

Application range

- 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.
- 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

Product features

- Fire Test : Acc to BS 6387 Cat. CWZ
- Flame Retardant: IEC 60332-1-2 & IEC 60332-3-24 (BS EN 50266-2-4)
- Halogen Free : In acc. to IEC 60754-1
- Acid and Corrosive Gases : In acc. to IEC 60754-2
- Smoke Density Test : In acc. to IEC 61034

Norm references / Approvals

- Ref. BS 7846
- Fire test based on BS 6387 Cat. CWZ

Product Make-up

- Conductor : Annealed bare copper conductor (IS 8130 / IEC 60228)
- Flame Barrier Tape :MICA
- Insulation : XLPE (IS 7098-1)
- Inner Sheath : Low Smoke Zero Halogen with flame retardant
- Armouring : GI Round Wire
- Laid Up :Cores / Twisted Pairs/Triads are Laid together
- Outer Sheath : Low Smoke Zero Halogen with flame retardant of colour BK / RD and option available on additional properties UVAR

Technical data

- Core identification code**
Pair : Blue & Brown (Repeats with Numerical Printing), Triad : Blue, Brown & Black (Repeats with Numerical Printing)
- Conductor stranding**
Class 2
- Minimum bending radius**
18 X OD
- Nominal voltage**
500 V
- Temperature range**
-5 °C up to +90 °C

Article number	Design	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® FIRE INSTRUM						
382030404	1 X 2 X 1.5	2 X 1.5	15.0	black	31.0	373.72
382030452	1 X 2 X 1.5	2 X 1.5	15.0	black	31.0	373.72
382030408	2 X 2 X 1.5	4 X 1.5	20.3	black	58.0	604.03
382030456	2 X 2 X 1.5	4 X 1.5	20.3	black	58.0	604.03
382030500	2 X 2 X 1.5	4 X 1.5	22.7	black	67.0	804.5
382030540	2 X 2 X 1.5	4 X 1.5	22.7	black	67.0	804.5
382030412	3 X 2 X 1.5	6 X 1.5	21.9	black	85.0	786.26
382030460	3 X 2 X 1.5	6 X 1.5	21.9	black	85.0	786.26
382030504	3 X 2 X 1.5	6 X 1.5	24.1	black	99.0	929.29
382030544	3 X 2 X 1.5	6 X 1.5	24.1	black	99.0	929.29
382030416	4 X 2 X 1.5	8 X 1.5	23.8	black	112.0	924.18
382030464	4 X 2 X 1.5	8 X 1.5	23.8	black	112.0	924.18
382030508	4 X 2 X 1.5	8 X 1.5	26.1	black	130.0	1,077.8
382030548	4 X 2 X 1.5	8 X 1.5	26.1	black	130.0	1,077.8
382030420	5 X 2 X 1.5	10 X 1.5	25.4	black	138.0	1,033.91
382030468	5 X 2 X 1.5	10 X 1.5	25.4	black	138.0	1,033.91
382030512	5 X 2 X 1.5	10 X 1.5	28.1	black	161.0	1,229.62
382030552	5 X 2 X 1.5	10 X 1.5	28.1	black	161.0	1,229.62
382030424	6 X 2 X 1.5	12 X 1.5	27.5	black	165.0	1,170.56
382030472	6 X 2 X 1.5	12 X 1.5	27.5	black	165.0	1,170.56
382030516	6 X 2 X 1.5	12 X 1.5	30.3	black	193.0	1,385.58
382030556	6 X 2 X 1.5	12 X 1.5	30.3	black	193.0	1,385.58
382030406	1 X 2 X 2.5	2 X 2.5	16.4	black	48.0	441.35
382030454	1 X 2 X 2.5	2 X 2.5	16.4	black	48.0	441.35
382030410	2 X 2 X 2.5	4 X 2.5	23.2	black	91.0	854.57
382030458	2 X 2 X 2.5	4 X 2.5	23.2	black	91.0	854.57
382030502	2 X 2 X 2.5	4 X 2.5	25.2	black	101.0	967.99
382030542	2 X 2 X 2.5	4 X 2.5	25.2	black	101.0	967.99
382030414	3 X 2 X 2.5	6 X 2.5	24.4	black	135.0	967.94
382030462	3 X 2 X 2.5	6 X 2.5	24.4	black	135.0	967.94
382030506	3 X 2 X 2.5	6 X 2.5	26.6	black	149.0	1,120.42
382030546	3 X 2 X 2.5	6 X 2.5	26.6	black	149.0	1,120.42
382030418	4 X 2 X 2.5	8 X 2.5	26.4	black	178.0	1,124.49

Article number	Design	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
382030466	4 X 2 X 2.5	8 X 2.5	26.4	black	178.0	1,124.49
382030510	4 X 2 X 2.5	8 X 2.5	29.0	black	197.0	1,312.6
382030550	4 X 2 X 2.5	8 X 2.5	29.0	black	197.0	1,312.6
382030422	5 X 2 X 2.5	10 X 2.5	28.5	black	222.0	1,286.17
382030470	5 X 2 X 2.5	10 X 2.5	28.5	black	222.0	1,286.17
382030514	5 X 2 X 2.5	10 X 2.5	31.4	black	245.0	1,508.87
382030554	5 X 2 X 2.5	10 X 2.5	31.4	black	245.0	1,508.87
382030426	6 X 2 X 2.5	12 X 2.5	30.7	black	265.0	1,450.22
382030474	6 X 2 X 2.5	12 X 2.5	30.7	black	265.0	1,450.22
382030518	6 X 2 X 2.5	12 X 2.5	34.6	black	293.0	1,893.45
382030558	6 X 2 X 2.5	12 X 2.5	34.6	black	293.0	1,893.45
382030428	1 X 3 X 1.5	3 X 1.5	15.6	black	45.0	413.94
382030476	1 X 3 X 1.5	3 X 1.5	15.6	black	45.0	413.94
382030432	2 X 3 X 1.5	6 X 1.5	22.7	black	85.0	818.86
382030480	2 X 3 X 1.5	6 X 1.5	22.7	black	85.0	818.86
382030520	2 X 3 X 1.5	6 X 1.5	25.0	black	94.0	961.5
382030560	2 X 3 X 1.5	6 X 1.5	25.0	black	94.0	961.5
382030436	3 X 3 X 1.5	9 X 1.5	24.1	black	125.0	950.84
382030484	3 X 3 X 1.5	9 X 1.5	24.1	black	125.0	950.84
382030524	3 X 3 X 1.5	9 X 1.5	26.4	black	139.0	1,102.52
382030564	3 X 3 X 1.5	9 X 1.5	26.4	black	139.0	1,102.52
382030440	4 X 3 X 1.5	12 X 1.5	26.0	black	165.0	1,104.76
382030488	4 X 3 X 1.5	12 X 1.5	26.0	black	165.0	1,104.76
382030528	4 X 3 X 1.5	12 X 1.5	28.5	black	183.0	1,278.6
382030568	4 X 3 X 1.5	12 X 1.5	28.5	black	183.0	1,278.6
382030444	5 X 3 X 1.5	15 X 1.5	28.1	black	205.0	1,265.53
382030492	5 X 3 X 1.5	15 X 1.5	28.1	black	205.0	1,265.53
382030532	5 X 3 X 1.5	15 X 1.5	30.8	black	228.0	1,468.71
382030572	5 X 3 X 1.5	15 X 1.5	30.8	black	228.0	1,468.71
382030448	6 X 3 X 1.5	18 X 1.5	30.2	black	245.0	1,426.8
382030496	6 X 3 X 1.5	18 X 1.5	30.2	black	245.0	1,426.8
382030536	6 X 3 X 1.5	18 X 1.5	34.2	black	273.0	1,860.41
382030576	6 X 3 X 1.5	18 X 1.5	34.2	black	273.0	1,860.41
382030430	1 X 3 X 2.5	3 X 2.5	17.3	black	70.0	506.81
382030478	1 X 3 X 2.5	3 X 2.5	17.3	black	70.0	506.81
382030434	2 X 3 X 2.5	6 X 2.5	25.3	black	135.0	1,003.04
382030482	2 X 3 X 2.5	6 X 2.5	25.3	black	135.0	1,003.04
382030522	2 X 3 X 2.5	6 X 2.5	27.8	black	144.0	1,157.23
382030562	2 X 3 X 2.5	6 X 2.5	27.8	black	144.0	1,157.23
382030438	3 X 3 X 2.5	9 X 2.5	26.7	black	200.0	1,172.18
382030486	3 X 3 X 2.5	9 X 2.5	26.7	black	200.0	1,172.18
382030526	3 X 3 X 2.5	9 X 2.5	29.4	black	214.0	1,349.37
382030566	3 X 3 X 2.5	9 X 2.5	29.4	black	214.0	1,349.37
382030442	4 X 3 X 2.5	12 X 2.5	29.2	black	265.0	1,392.78
382030490	4 X 3 X 2.5	12 X 2.5	29.2	black	265.0	1,392.78
382030530	4 X 3 X 2.5	12 X 2.5	32.1	black	284.0	1,595.45
382030570	4 X 3 X 2.5	12 X 2.5	32.1	black	284.0	1,595.45
382030446	5 X 3 X 2.5	15 X 2.5	31.5	black	330.0	1,594.11
382030494	5 X 3 X 2.5	15 X 2.5	31.5	black	330.0	1,594.11
382030534	5 X 3 X 2.5	15 X 2.5	35.6	black	353.0	2,056.66
382030574	5 X 3 X 2.5	15 X 2.5	35.6	black	353.0	2,056.66
382030450	6 X 3 X 2.5	18 X 2.5	34.9	black	395.0	2,012.39
382030498	6 X 3 X 2.5	18 X 2.5	34.9	black	395.0	2,012.39
382030538	6 X 3 X 2.5	18 X 2.5	38.4	black	423.0	2,322.11
382030578	6 X 3 X 2.5	18 X 2.5	38.4	black	423.0	2,322.11
382030405	1 X 2 X 1.5	2 X 1.5	15.0	red	31.0	373.72
382030453	1 X 2 X 1.5	2 X 1.5	15.0	red	31.0	373.72
382030409	2 X 2 X 1.5	4 X 1.5	20.3	red	58.0	604.03
382030457	2 X 2 X 1.5	4 X 1.5	20.3	red	58.0	604.03
382030501	2 X 2 X 1.5	4 X 1.5	22.7	red	67.0	804.5
382030541	2 X 2 X 1.5	4 X 1.5	22.7	red	67.0	804.5
382030413	3 X 2 X 1.5	6 X 1.5	21.9	red	85.0	786.26
382030461	3 X 2 X 1.5	6 X 1.5	21.9	red	85.0	786.26
382030505	3 X 2 X 1.5	6 X 1.5	24.1	red	99.0	929.29
382030545	3 X 2 X 1.5	6 X 1.5	24.1	red	99.0	929.29
382030417	4 X 2 X 1.5	8 X 1.5	23.8	red	112.0	924.18
382030465	4 X 2 X 1.5	8 X 1.5	23.8	red	112.0	924.18
382030509	4 X 2 X 1.5	8 X 1.5	26.1	red	130.0	1,077.8
382030549	4 X 2 X 1.5	8 X 1.5	26.1	red	130.0	1,077.8
382030421	5 X 2 X 1.5	10 X 1.5	25.4	red	138.0	1,033.91
382030469	5 X 2 X 1.5	10 X 1.5	25.4	red	138.0	1,033.91
382030513	5 X 2 X 1.5	10 X 1.5	28.1	red	161.0	1,229.62
382030553	5 X 2 X 1.5	10 X 1.5	28.1	red	161.0	1,229.62
382030425	6 X 2 X 1.5	12 X 1.5	27.5	red	165.0	1,170.56
382030473	6 X 2 X 1.5	12 X 1.5	27.5	red	165.0	1,170.56
382030517	6 X 2 X 1.5	12 X 1.5	30.3	red	193.0	1,385.58
382030557	6 X 2 X 1.5	12 X 1.5	30.3	red	193.0	1,385.58
382030407	1 X 2 X 2.5	2 X 2.5	16.4	red	48.0	441.35
382030455	1 X 2 X 2.5	2 X 2.5	16.4	red	48.0	441.35
382030411	2 X 2 X 2.5	4 X 2.5	23.2	red	91.0	854.57
382030459	2 X 2 X 2.5	4 X 2.5	23.2	red	91.0	854.57
382030503	2 X 2 X 2.5	4 X 2.5	25.2	red	101.0	967.99
382030543	2 X 2 X 2.5	4 X 2.5	25.2	red	101.0	967.99
382030415	3 X 2 X 2.5	6 X 2.5	24.4	red	135.0	967.94
382030463	3 X 2 X 2.5	6 X 2.5	24.4	red	135.0	967.94

Article number	Design	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
382030507	3 X 2 X 2.5	6 X 2.5	26.6	red	149.0	1,120.42
382030547	3 X 2 X 2.5	6 X 2.5	26.6	red	149.0	1,120.42
382030419	4 X 2 X 2.5	8 X 2.5	26.4	red	178.0	1,124.49
382030467	4 X 2 X 2.5	8 X 2.5	26.4	red	178.0	1,124.49
382030511	4 X 2 X 2.5	8 X 2.5	29.0	red	197.0	1,312.6
382030551	4 X 2 X 2.5	8 X 2.5	29.0	red	197.0	1,312.6
382030423	5 X 2 X 2.5	10 X 2.5	28.5	red	222.0	1,286.17
382030471	5 X 2 X 2.5	10 X 2.5	28.5	red	222.0	1,286.17
382030515	5 X 2 X 2.5	10 X 2.5	31.4	red	245.0	1,508.87
382030555	5 X 2 X 2.5	10 X 2.5	31.4	red	245.0	1,508.87
382030427	6 X 2 X 2.5	12 X 2.5	30.7	red	265.0	1,450.22
382030475	6 X 2 X 2.5	12 X 2.5	30.7	red	265.0	1,450.22
382030519	6 X 2 X 2.5	12 X 2.5	34.6	red	293.0	1,893.45
382030559	6 X 2 X 2.5	12 X 2.5	34.6	red	293.0	1,893.45
382030429	1 X 3 X 1.5	3 X 1.5	15.6	red	45.0	413.94
382030477	1 X 3 X 1.5	3 X 1.5	15.6	red	45.0	413.94
382030433	2 X 3 X 1.5	6 X 1.5	22.7	red	85.0	818.86
382030481	2 X 3 X 1.5	6 X 1.5	22.7	red	85.0	818.86
382030521	2 X 3 X 1.5	6 X 1.5	25.0	red	94.0	961.5
382030561	2 X 3 X 1.5	6 X 1.5	25.0	red	94.0	961.5
382030437	3 X 3 X 1.5	9 X 1.5	24.1	red	125.0	950.84
382030485	3 X 3 X 1.5	9 X 1.5	24.1	red	125.0	950.84
382030525	3 X 3 X 1.5	9 X 1.5	26.4	red	139.0	1,102.52
382030565	3 X 3 X 1.5	9 X 1.5	26.4	red	139.0	1,102.52
382030441	4 X 3 X 1.5	12 X 1.5	26.0	red	165.0	1,104.76
382030489	4 X 3 X 1.5	12 X 1.5	26.0	red	165.0	1,104.76
382030529	4 X 3 X 1.5	12 X 1.5	28.5	red	183.0	1,278.6
382030569	4 X 3 X 1.5	12 X 1.5	28.5	red	183.0	1,278.6
382030445	5 X 3 X 1.5	15 X 1.5	28.1	red	205.0	1,265.53
382030493	5 X 3 X 1.5	15 X 1.5	28.1	red	205.0	1,265.53
382030533	5 X 3 X 1.5	15 X 1.5	30.8	red	228.0	1,468.71
382030573	5 X 3 X 1.5	15 X 1.5	30.8	red	228.0	1,468.71
382030449	6 X 3 X 1.5	18 X 1.5	30.2	red	245.0	1,426.8
382030497	6 X 3 X 1.5	18 X 1.5	30.2	red	245.0	1,426.8
382030537	6 X 3 X 1.5	18 X 1.5	34.2	red	273.0	1,860.41
382030577	6 X 3 X 1.5	18 X 1.5	34.2	red	273.0	1,860.41
382030431	1 X 3 X 2.5	3 X 2.5	17.3	red	70.0	506.81
382030479	1 X 3 X 2.5	3 X 2.5	17.3	red	70.0	506.81
382030435	2 X 3 X 2.5	6 X 2.5	25.3	red	135.0	1,003.04
382030483	2 X 3 X 2.5	6 X 2.5	25.3	red	135.0	1,003.04
382030523	2 X 3 X 2.5	6 X 2.5	27.8	red	144.0	1,157.23
382030563	2 X 3 X 2.5	6 X 2.5	27.8	red	144.0	1,157.23
382030439	3 X 3 X 2.5	9 X 2.5	26.7	red	200.0	1,172.18
382030487	3 X 3 X 2.5	9 X 2.5	26.7	red	200.0	1,172.18
382030527	3 X 3 X 2.5	9 X 2.5	29.4	red	214.0	1,349.37
382030567	3 X 3 X 2.5	9 X 2.5	29.4	red	214.0	1,349.37
382030443	4 X 3 X 2.5	12 X 2.5	29.2	red	265.0	1,392.78
382030491	4 X 3 X 2.5	12 X 2.5	29.2	red	265.0	1,392.78
382030531	4 X 3 X 2.5	12 X 2.5	32.1	red	284.0	1,595.45
382030571	4 X 3 X 2.5	12 X 2.5	32.1	red	284.0	1,595.45
382030447	5 X 3 X 2.5	15 X 2.5	31.5	red	330.0	1,594.11
382030495	5 X 3 X 2.5	15 X 2.5	31.5	red	330.0	1,594.11
382030535	5 X 3 X 2.5	15 X 2.5	35.6	red	353.0	2,056.66
382030575	5 X 3 X 2.5	15 X 2.5	35.6	red	353.0	2,056.66
382030451	6 X 3 X 2.5	18 X 2.5	34.9	red	395.0	2,012.39
382030499	6 X 3 X 2.5	18 X 2.5	34.9	red	395.0	2,012.39
382030539	6 X 3 X 2.5	18 X 2.5	38.4	red	423.0	2,322.11
382030579	6 X 3 X 2.5	18 X 2.5	38.4	red	423.0	2,322.11