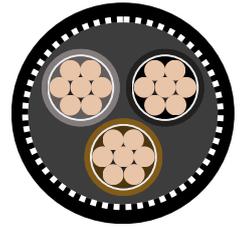




# Fire Cable SWA - Standard

LV Armoured Fire Resistant Cable



## DESCRIPTION

**Conductor:** Class 2 Cu Conductor, **Conductor Screen:** Mica Glass tape fire resistant layer, **Insulation:** Cross-linked Polyethylene (XLPE), **Bedding:** Low smoke zero halogen (LSOH), **Armour:** Galvanised steel wire armour (SWA), **Sheath:** Low smoke zero halogen (LSOH), **Sheath Colour:** Black

## APPLICATION

Fire resistant armoured cables for fixed installation in a variety of applications where the continued supply of power is required for a defined period of time during a fire. The cable is suited for areas where, when subjected to fire, the emission of smoke and toxic gases may create a potential threat to life.

## TECHNICAL DATA

**Voltage Grade:** 0.6/1kV

**Temperature Range:** -40°C to +90°C  
(Min. Installation Temp. 0°C)  
+250°C Max. S.C.C. Temp.

**Minimum Bending Radius:** 6 x OD (circular cond.),  
8 x OD (shaped cond.)

**Approvals/Standards:** BS7846 Cat F2,  
BS6387 CWZ BSEN60332-1,  
BSEN60332-2 BSEN50268 (IEC61034),  
BSEN50267 (IEC60754-1) HCL≤0.5%

## Core ID

No. of Cores	Core Colours
2	Brown, Blue
3	Brown, Black, Grey
4	Brown, Black, Grey, Blue
5	Brown, Black, Grey, Blue, Green/Yellow
7+	White Numbered Cores
<b>Sheath</b>	Black as standard* *Other colours can be sheathed to customer requirements – details on request.

**TDS 1 OF 3**



# Fire Cable SWA - Standard

## LV Armoured Fire Resistant Cable

No. of Core	Size	Approx. OD	Weight	Current Carrying Capacity A		
	mm <sup>2</sup>	mm	Kg/Km	In Ground	In Duct	In Air
2	1.5	11.9	290	38	31	31
2	2.5	13.1	355	49	41	41
2	4	14.1	425	65	53	55
2	6	15.5	495	81	67	70
2	10	17.1	640	109	89	95
2	16	19.9	915	141	115	126
2	25	21.4	1075	183	148	164
2	35	24.9	1480	219	175	202
2	50	25.3	1760	259	211	244
2	70	28.3	2310	317	260	306
2	95	32.2	3150	381	313	378
2	120	35.0	3715	433	357	437
2	150	38.6	4445	485	401	499
2	185	43.4	5755	547	455	576
2	240	46.9	7055	632	527	680
3	1.5	12.2	320	32	26	26
3	2.5	13.5	395	42	34	35
3	4	14.7	475	55	45	47
3	6	15.8	560	69	56	59
3	10	18.3	855	92	75	82
3	16	20.6	1115	119	96	107
3	25	26.0	1710	152	124	140
3	35	28.5	2150	182	149	172
3	50	28.8	2360	217	177	209
3	70	32.2	3110	266	218	263
3	95	37.0	4250	319	263	324
3	120	40.1	5120	363	300	376
3	150	45.2	6560	406	338	430
3	185	49.6	7845	458	382	495
3	240	54.8	9800	529	442	584
3	300	59.1	11750	592	496	672
3	400	65.9	14645	667	570	766

ALL FIGURES QUOTED ARE APPROXIMATE

**TDS 2 OF 3**



# Fire Cable SWA - Standard

## LV Armoured Fire Resistant Cable

No. of Core	Size	Approx. OD	Weight	Current Carrying Capacity (A)					
	mm <sup>2</sup>	mm	Kg/Km	In Ground		In Duct		In Air	
4	1.5	13.9	395	32		26		26	
4	2.5	15.9	490	42		34		35	
4	4	16.7	595	55		45		47	
4	6	18.6	815	69		56		59	
4	10	20.5	1060	92		75		82	
4	16	23.7	1405	119		96		107	
4	25	28.5	2135	152		124		140	
4	35	31.8	2600	182		149		172	
4	50	35.1	3245	217		177		209	
4	70	39.0	4490	266		218		263	
4	95	42.8	5705	319		263		324	
4	120	48.1	7255	363		300		376	
4	150	52.1	8690	406		338		430	
4	185	56.6	10335	458		382		495	
4	240	63.3	13010	529		442		584	
4	300	68.3	15455	592		496		672	
4	400	78.2	20200	667		570		766	
5	1.5	14.6	440	32		26		26	
5	2.5	17.0	550	42		34		35	
5	4	17.8	675	55		45		47	
5	6	18.9	805	69		56		59	
5	10	21.5	1080	92		75		82	
5	16	24.2	1630	119		96		107	
5	25	29.0	2245	152		124		140	
5	35	32.6	2835	182		149		172	
5	50	37.0	3855	217		177		209	
5	70	42.9	5190	266		218		263	
				1ph	3ph	1ph	3ph	1ph	3ph
7	1.5	15.5	465	38	32	31	26	31	26
7	2.5	17.2	585	49	42	41	34	41	35
7	4	19.5	855	65	55	53	45	55	47
12	1.5	20.3	795	38	32	31	26	31	26
12	2.5	22.9	1030	49	42	41	34	41	35
19	1.5	23.1	1040	38	32	31	26	31	26
19	2.5	27.5	1550	49	42	41	34	41	35

ALL FIGURES QUOTED ARE APPROXIMATE

**TDS 3 OF 3**

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

Head Office (Bolton): • Tel: +44 (0) 1942 840 200 • E-Mail: sales@cable-world.co.uk

London Branch: • Tel: +44 (0) 203 960 9389 • E-Mail: sales.london@cable-world.co.uk

