



FIRE CABLE SWA - ENHANCED

LV Armoured Fire Resistant Cable



DESCRIPTION

Class 2 Cu **conductor**, mica glass **tape** fire resistant layer, cross-linked polyethylene (XLPE) **insulation**, low smoke zero halogen (LSOH) **bedding**, galvanised steel wire **armour**, low smoke zero halogen (LSOH) **outer sheath** in black.

APPLICATION

Fire resistant armoured cables for fixed installation in a variety of applications where the continued supply of power is required for an extended 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.

CHARACTERISTICS

| | |
|--------------------------------|---|
| Voltage Grade: | 0.6/1kV |
| Temperature Range: | -40°C to +90°C (Minimum Installation Temp 0°C) +250°C maximum short circuit conductor temperature |
| Minimum Bending Radius: | 6 x OD (circular cond.), 8 x OD (shaped cond.) |
| Approvals/Standards: | BS7846 F120, BS8491 120mins, BS8519 Category 1, 2 & 3 BS EN 60332-1-2, BS EN 60332-3-24, BS EN 61034-2 BS EN 60754-1, 60754-2 HCL ≤ 0.5% |

TDS 1 OF 3



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| NO. OF CORES | SIZE mm ² | APPROX. OD mm | WEIGHT kg/km | CURRENT CARRYING CAPACITY | | |
|--------------|-------------------------|------------------|-----------------|---------------------------|----------|--------|
| | | | | IN GROUND | IN DUCTS | IN AIR |
| 3 | 4 | 20.2 | 810 | 55 | 45 | 47 |
| 3 | 6 | 20.2 | 825 | 69 | 56 | 59 |
| 3 | 10 | 21.4 | 985 | 92 | 75 | 82 |
| 3 | 16 | 23.8 | 1210 | 119 | 96 | 107 |
| 3 | 25 | 28.7 | 1880 | 152 | 124 | 140 |
| 3 | 35 | 31.4 | 2330 | 182 | 149 | 172 |
| 3 | 50 | 29.5 | 2425 | 217 | 177 | 209 |
| 3 | 70 | 32.8 | 3080 | 266 | 218 | 263 |
| 3 | 95 | 37.5 | 4255 | 319 | 263 | 324 |
| 3 | 120 | 40.1 | 5095 | 363 | 300 | 376 |
| 3 | 150 | 45.9 | 6750 | 406 | 338 | 430 |
| 3 | 185 | 49.9 | 8050 | 458 | 382 | 495 |
| 3 | 240 | 55.2 | 9955 | 529 | 442 | 584 |
| 3 | 300 | 60.1 | 11980 | 592 | 496 | 672 |
| 3 | 400 | 67.1 | 14900 | 667 | 570 | 766 |

ALL FIGURES QUOTED ARE APPROXIMATE

| NO. OF CORES | SIZE mm ² | APPROX. OD mm | WEIGHT kg/km | CURRENT CARRYING CAPACITY | | |
|--------------|-------------------------|------------------|-----------------|---------------------------|----------|--------|
| | | | | IN GROUND | IN DUCTS | IN AIR |
| 4 | 4 | 20.5 | 855 | 55 | 45 | 47 |
| 4 | 6 | 21.1 | 915 | 69 | 56 | 59 |
| 4 | 10 | 23.5 | 1150 | 92 | 75 | 82 |
| 4 | 16 | 25.7 | 1460 | 119 | 96 | 107 |
| 4 | 25 | 31.1 | 2255 | 152 | 124 | 140 |
| 4 | 35 | 33.9 | 2775 | 182 | 149 | 172 |
| 4 | 50 | 35.0 | 3280 | 217 | 177 | 209 |
| 4 | 70 | 40.4 | 4575 | 266 | 218 | 263 |
| 4 | 95 | 44.1 | 5720 | 319 | 263 | 324 |
| 4 | 120 | 49.3 | 7380 | 363 | 300 | 376 |
| 4 | 150 | 53.4 | 8725 | 406 | 338 | 430 |
| 4 | 185 | 58.0 | 10500 | 458 | 382 | 495 |
| 4 | 240 | 63.9 | 13125 | 529 | 442 | 584 |
| 4 | 300 | 69.2 | 15670 | 592 | 496 | 672 |
| 4 | 400 | 78.8 | 20390 | 667 | 570 | 766 |

ALL FIGURES QUOTED ARE APPROXIMATE

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

TDS 2 OF 3



Cert. No: 1696
ISO9001: 2015



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| CORE IDENTIFICATION | |
|---------------------|--------------------------|
| NUMBER OF CORES | CORE COLOURS |
| 3 | BROWN, BLACK, GREY |
| 4 | BROWN, BLACK, GREY, BLUE |
| SHEATH | Black as standard* |

*Other colours can be sheathed to customer requirements – details on request.

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