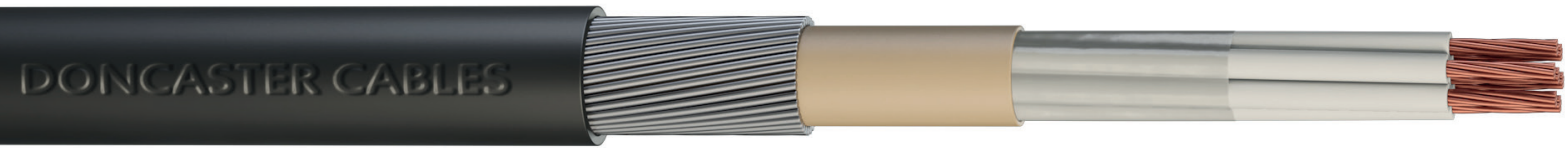




# Doncaster Cables AUXILIARY SWA LSNH

CU / XLPE / LSNH / SWA / LSNH



Manufactured to BS 6724 Table 18. (LSNH = Low Smoke Non Halogen)  
Plain Annealed Copper Conductor / XLPE Insulated / LSNH Bedded / Galvanised Steel Wire Armour / LSNH Sheathed. 600/1000V

<b>Conductor</b>	Plain Annealed Copper Class 2 Stranded to BSEN 60228
<b>Insulation:</b>	Thermosetting XLPE Type GP8 to BS 7655-1.3
<b>Bedding:</b>	Compatible LSNH Polymeric Material (LSNH)
<b>Steel Wire Armour:</b>	Galvanised Steel Wire
<b>Sheathing:</b>	LSNH Type LTS1 to BS 7655-6.1
<b>Current Ratings :</b>	For current ratings refer to table 4E4A of BS7671 IET Wiring Regulations.

These cables are designed to be used in installations where smoke and acid gas emission would pose a major hazard in the event of a fire.

Auxiliary Steel Wire Armoured cables are predominantly used for industrial wiring and signalling.

They are designed to be used in industrial areas, areas with higher risk of mechanical stress/damage, in and around buildings and other similar environments.

These cables are designed to be installed in air, clipped to surface, on cable tray/ladder work, embedded in concrete and buried direct or in ducting underground

**STANDARD CORE COLOURS**

WHITE NUMBERED CORES



**The British Cable Company You Can Trust**



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ

Tel: 01302 821700 Email: sales@doncastercables.com

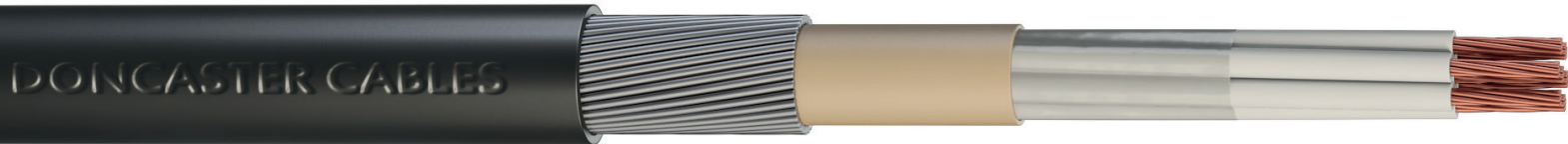




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### Dimensional Details:

Product Code	Number and Nominal Cross Sectional Area of Conductors (mm <sup>2</sup> )	Nominal Stranding of Conductor (mm)	Nominal Radial Thickness of insulation (mm)	Nominal Radial Thickness of bedding (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/km)	Reccomended Gland Size
7C1.5LSNH	7 x 1.5	7/0.53	0.6	0.8	15.2	506	20S
7C2.5LSNH	7 x 2.5	7/0.67	0.7	0.8	17.1	618	20
7C4.0LSNH	7 x 4.0	7/0.85	0.7	0.8	19.7	904	25
7C6.0LSNH *	7 x 6.0	7/1.04	0.7	0.8	21.3	1110	25
7C710LSNH *	7 x 10.0	7/1.35	0.7	0.8	25.6	1720	25
12C1.5LSNH	12 x 1.5	7/0.53	0.6	0.8	19.4	854	25
12C2.5LSNH	12 x 2.5	7/0.67	0.7	0.8	22.4	1080	25
12C4.0LSNH	12 x 4.0	7/0.85	0.7	1.0	25.7	1550	32
19C1.5LSNH	19 x 1.5	7/0.53	0.6	0.8	22.2	1120	25
19C2.5LSNH	19 x 2.5	7/0.67	0.7	1.0	26.6	1570	25

\*Manufactured generally to BS6724, not BASEC approved

Weight and dimensional information is provided as an approximate guide only.

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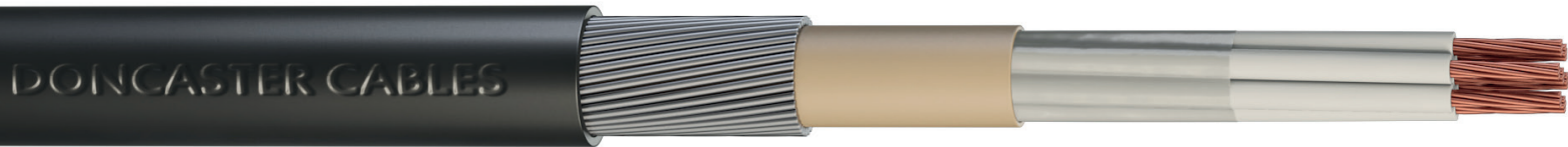




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### Multicore Loading

In practice, the majority of cores in a multicore control cable of 7 cores and above carry only small or intermittent current and a current rating based on the assumption that all cores are equally loaded is quite unrealistic. In most cases only two cores, the live and neutral feed cores are likely to approach the maximum permitted loading. The current rating for twin core cable can therefore be used in these cables.

Where more than two cores are known to carry an appreciable current, the multiplying factors applicable to the two core ratings are given below. The normal current rating for twin cable may also be used in cases where the number of cores carrying appreciable current does not exceed the square root of the total number of cores in the cable.

Number of loaded cores	3	4	5	6	7	10	12	14
Multiplying factor	0.87	0.78	0.72	0.67	0.63	0.56	0.53	0.51

Number of loaded cores	19	24	27	30	37	44	46	48
Multiplying factor	0.45	0.42	0.40	0.39	0.36	0.34	0.33	0.33

