

Doncaster Cables

SWA LSNH (H694-XLSF) **CU / XLPE / LSNH / SWA / LSNH**



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ
Tel: 01302 821700 Fax: 01302 821701 Email: sales@doncastercables.com



Doncaster Cables

SWA LSNH (H694-XLSF)

CU / XLPE / LSNH / SWA / LSNH

Manufactured to BS 6724 Table 6 (2 Core) Table 8 (3 Core) Table 10 (4 Core) Table 13 (5 Core)

Plain Annealed Copper Conductor / XLPE Insulated / LSNH Bedded / Galvanised Steel Wire Armour / LSNH Sheathed. 600/1000V

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

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.

Steel Wire Armoured cables are predominantly used for industrial wiring and mains distribution. They are designed to be used in industrial areas , 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

2 CORE	
3 CORE	
4 CORE	
5 CORE	

MINIMUM OPERATING TEMPERATURE

-15°C

MAXIMUM OPERATING TEMPERATURE

90°C

MINIMUM BENDING RADIUS

8 x Ø



Doncaster Cables

SWA LSNH (H694-XLSF)

CU / XLPE / LSNH / SWA / LSNH

Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Extruded Bedding (mm)	Nominal Steel Armour Wire Diameter (mm)	Nominal Thickness of Oversheath (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/km)	Recommended Gland Size
H6942XL1.5LSF	2 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.0	240	20S
H6942XL2.5LSF	2 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	260	20S
H6942XL4.0LSF	2 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.4	340	20S
H6942XL6.0LSF	2 x 6.0	7/1.04	0.7	0.8	0.9	1.4	13.7	400	20S
H6942XL710LSF	2 x 10.0	7/1.35	0.7	0.8	0.9	1.5	16.4	620	20
H6942XL716LSF	2 x 16.0	7/1.70	0.7	0.8	1.25	1.5	20.0	780	25
H6942XL725LSF	2 x 25.0	7/2.14	0.9	0.8	1.25	1.6	23.8	1000	25
H6942XL735LSF	2 x 35.0	7/2.52	0.9	1.0	1.6	1.7	27.7	1350	32
H6942XL750LSF	2 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	25.8	1700	25
H6943XL1.5LSF	3 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.9	260	20S
H6943XL2.5LSF	3 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	320	20S
H6943XL4.0LSF	3 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.6	440	20S
H6943XL6.0LSF	3 x 6.0	7/1.04	0.7	0.8	0.9	1.4	14.9	610	20
H6943XL710LSF	3 x 10.0	7/1.35	0.7	0.8	1.25	1.5	18.3	840	20
H6943XL716LSF	3 x 16.0	7/1.70	0.7	0.8	1.25	1.6	20.4	1075	25
H6943XL725LSF	3 x 25.0	7/2.14	0.9	1.0	1.6	1.7	25.2	1450	32
H6943XL735LSF	3 x 35.0	7/2.52	0.9	1.0	1.6	1.8	28.8	1850	32
H6943XL750LSF	3 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	28.5	2300	32
H6943XL770LSF	3 x 70.0	COMPACTED	1.1	1.0	1.6	1.9	32.2	3125	32
H6943XL795LSF	3 x 95.0	COMPACTED	1.1	1.2	2.0	2.1	37.0	4250	40

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



Doncaster Cables

SWA LSNH (H694-XLSF) CU / XLPE / LSNH / SWA / LSNH

Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Extruded Bedding (mm)	Nominal Steel Armour Wire Diameter (mm)	Nominal Thickness of Oversheath (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/km)	Recommended Gland Size
H6944XL1.5LSF	4 x 1.5	7/0.53	0.6	0.8	0.9	1.3	12.1	290	20S
H6944XL2.5LSF	4 x 2.5	7/0.67	0.7	0.8	0.9	1.4	13.5	370	20S
H6944XL4.0LSF	4 x 4.0	7/0.85	0.7	0.8	0.9	1.4	14.7	590	20
H6944XL6.0LSF	4 x 6.0	7/1.04	0.7	0.8	1.25	1.5	16.6	680	20
H6944XL7.10LSF	4 x 10.0	7/1.35	0.7	0.8	1.25	1.5	20.5	960	25
H6944XL7.16LSF	4 x 16.0	7/1.70	0.7	0.8	1.25	1.6	22.8	1400	25
H6944XL7.25LSF	4 x 25.0	7/2.14	0.9	1.0	1.6	1.7	27.8	1900	32
H6944XL7.35LSF	4 x 35.0	7/2.52	0.9	1.0	1.6	1.8	31.0	2400	32
H6944XL7.50LSF	4 x 50.0	COMPACTED	1.0	1.0	1.6	1.9	32.0	2775	32
H6944XL7.70LSF	4 x 70.0	COMPACTED	1.1	1.2	2.0	2.1	37.7	4050	40
H6944XL7.95LSF	4 x 95.0	COMPACTED	1.1	1.2	2.0	2.2	41.7	5300	50
H6944XL8.120LSF	4 x 120.0	COMPACTED	1.2	1.4	2.5	2.3	47.1	6950	50
H6944XL8.150LSF	4 x 150.0	COMPACTED	1.4	1.4	2.5	2.4	51.4	8275	50
H6944XL8.185LSF	4 x 185.0	COMPACTED	1.6	1.4	2.5	2.6	56.6	10025	63
H6944XL8.240LSF	4 x 240.0	COMPACTED	1.7	1.6	2.5	2.7	63.0	12625	63
H6944XL8.300LSF	4 x 300.0	COMPACTED	1.8	1.6	2.5	2.9	68.8	15323	75
H6944XL8.400LSF	4 x 400.0	COMPACTED	2.0	1.8	3.15	3.2	78.1	21850	75
H6945XL1.5LSF	5 x 1.5	7/0.53	0.6	0.8	0.9	1.4	12.8	433	20S
H6945XL2.5LSF	5 x 2.5	7/0.67	0.7	0.8	0.9	1.4	14.5	530	20S
H6945XL4.0LSF	5 x 4.0	7/0.85	0.7	0.8	0.9	1.5	16.8	775	20
H6945XL6.0LSF	5 x 6.0	7/1.04	0.7	0.8	1.25	1.5	17.9	929	25
H6945XL7.10LSF	5 x 10.0	7/1.35	0.7	0.8	1.25	1.6	21.6	1300	25
H6945XL7.16LSF	5 x 16.0	7/1.70	0.7	1.0	1.6	1.7	26.3	1880	25
H6945XL7.25LSF	5 x 25.0	7/2.14	0.9	1.0	1.6	1.8	30.9	2670	40

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

Product Certification Schedule

Schedule No: 040/001/363

Licensee: DONCASTER CABLES, MILLFIELDS INDUSTRIAL ESTATE, ARKSEY LANE, BENTLEY, DONCASTER, SOUTH YORKSHIRE, UNITED KINGDOM, DN5 0SJ

Factory: DONCASTER CABLES, MILLFIELDS INDUSTRIAL ESTATE, ARKSEY LANE, BENTLEY, DONCASTER, SOUTH YORKSHIRE, UNITED KINGDOM, DN5 0SJ

Specification: BS 6724:2016 Electric cables- Thermosetting insulated, armoured cables of rated voltages of 600/1 000 V and 1 900/3 300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.

Type of Cable: Tables 5, 6, 7 and 8 Two-core, three-core, four-core and five-core 600/1 000 V cables with copper conductors

Range of Approval: 1.5sqmm to 35sqmm nominal cross-sectional area of conductors inclusive. Two-core to five-core inclusive. Class 2 conductor. Sheath - LTS1. Insulation - GP8.

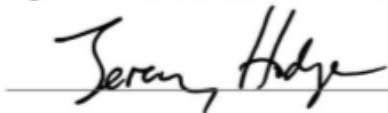
Origin Thread: BLUE/BROWN/GREY/ORANGE

Origin Mark: DONCASTER CABLES

	PERMISSIBLE MARKS	
	BASEC	YELLOW ACETATE THREAD
Please refer to the BASEC Product Certification Requirements		

Expiry Date: 05/02/2020

Signed for and on behalf of the British Approvals Service for Cables



Date 31/07/2018

This Certificate and Schedule(s) remains the property of BASEC, and shall be returned when required.

