



# Doncaster Cables

## SWA (H694-XL)

**CU / XLPE / PVC / SWA / PVC**

Manufactured to BS 5467 Table 6 (2 Core) Table 8 (3 Core) Table 10 (4 Core) Table 13 (5 Core)

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

<b>Conductor :</b>	Plain Annealed Copper Class 2 Stranded to BS EN 60228
<b>Insulation:</b>	Thermosetting XLPE Type GP8 to BS 7655-1.3
<b>Bedding:</b>	Compatible Polymeric Material (PVC)
<b>Steel Wire Armour:</b>	Galvanised Steel Wire
<b>Sheathing:</b>	PVC Type 9 to BS 7655-4.2
<b>Current Ratings:</b>	For current ratings refer to table 4E4A of BS7671 IEE Wiring Regulations.

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

<b>STANDARD CORE COLOURS</b>	<b>MINIMUM OPERATING TEMPERATURE</b>	<b>MAXIMUM OPERATING TEMPERATURE</b>	<b>MINIMUM BENDING RADIUS</b>
2 CORE 3 CORE 4 CORE 5 CORE			





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Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm <sup>2</sup> )	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
H6942XL1.5	2 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.0	240	20S
H6942XL2.5	2 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	260	20S
H6942XL4.0	2 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.4	340	20S
H6942XL6.0	2 x 6.0	7/1.04	0.7	0.8	0.9	1.4	13.7	400	20S
H6942XL710	2 x 10.0	7/1.35	0.7	0.8	0.9	1.5	16.4	620	20
H6942XL716	2 x 16.0	7/1.70	0.7	0.8	1.25	1.5	20.0	780	25
H6942XL725	2 x 25.0	7/2.14	0.9	0.8	1.25	1.6	23.8	1000	25
H6942XL735	2 x 35.0	7/2.52	0.9	1.0	1.6	1.7	27.7	1350	32
H6942XL750	2 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	25.8	1700	25
H6943XL1.5	3 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.9	260	20S
H6943XL2.5	3 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	320	20S
H6943XL4.0	3 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.6	440	20S
H6943XL6.0	3 x 6.0	7/1.04	0.7	0.8	0.9	1.4	14.9	610	20
H6943XL710	3 x 10.0	7/1.35	0.7	0.8	1.25	1.5	18.3	840	20
H6943XL716	3 x 16.0	7/1.70	0.7	0.8	1.25	1.6	20.4	1075	25
H6943XL725	3 x 25.0	7/2.14	0.9	1.0	1.6	1.7	25.2	1450	32
H6943XL735	3 x 35.0	7/2.52	0.9	1.0	1.6	1.8	28.8	1850	32
H6943XL750	3 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	28.5	2300	32
H6943XL770	3 x 70.0	COMPACTED	1.1	1.0	1.6	1.9	32.2	3125	32
H6943XL795	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.





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H6944XL1.5	4 x 1.5	7/0.53	0.6	0.8	0.9	1.3	12.1	290	20S
H6944XL2.5	4 x 2.5	7/0.67	0.7	0.8	0.9	1.4	13.5	370	20S
H6944XL4.0	4 x 4.0	7/0.85	0.7	0.8	0.9	1.4	14.7	590	20
H6944XL6.0	4 x 6.0	7/1.04	0.7	0.8	1.25	1.5	16.6	680	20
H6944XL710	4 x 10.0	7/1.35	0.7	0.8	1.25	1.5	20.5	960	25
H6944XL716	4 x 16.0	7/1.70	0.7	0.8	1.25	1.6	22.8	1400	25
H6944XL725	4 x 25.0	7/2.14	0.9	1.0	1.6	1.7	27.8	1900	32
H6944XL735	4 x 35.0	7/2.52	0.9	1.0	1.6	1.8	31.0	2400	32
H6944XL750	4 x 50.0	COMPACTED	1.0	1.0	1.6	1.9	32.0	2775	32
H6944XL770	4 x 70.0	COMPACTED	1.1	1.2	2.0	2.1	37.7	4050	40
H6944XL795	4 x 95.0	COMPACTED	1.1	1.2	2.0	2.2	41.7	5300	50
H6944XL8120	4 x 120.0	COMPACTED	1.2	1.4	2.5	2.3	47.1	6950	50
H6944XL8150	4 x 150.0	COMPACTED	1.4	1.4	2.5	2.4	51.4	8275	50
H6944XL8185	4 x 185.0	COMPACTED	1.6	1.4	2.5	2.6	56.6	10025	63
H6944XL8240	4 x 240.0	COMPACTED	1.7	1.6	2.5	2.7	63.0	12625	63
H6944XL8300	4 x 300.0	COMPACTED	1.8	1.6	2.5	2.9	68.8	15323	75
H6944XL8400	4 x 400.0	COMPACTED	2.0	1.8	3.15	3.2	78.1	21850	75
H6945XL1.5	5 x 1.5	7/0.53	0.6	0.8	0.9	1.4	12.8	433	20S
H6945XL2.5	5 x 2.5	7/0.67	0.7	0.8	0.9	1.4	14.5	530	20S
H6945XL4.0	5 x 4.0	7/0.85	0.7	0.8	0.9	1.5	16.8	775	20
H6945XL6.0	5 x 6.0	7/1.04	0.7	0.8	1.25	1.5	17.9	929	25
H6945XL710	5 x 10.0	7/1.35	0.7	0.8	1.25	1.6	21.6	1300	25
H6945XL716	5 x 16.0	7/1.70	0.7	1.0	1.6	1.7	26.3	1880	25
H6945XL725	5 x 25.0	7/2.14	0.9	1.0	1.6	1.8	30.9	2670	40

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