

Doncaster Cables

6241B / H6242B / H6243B

XLPE Insulated and LSNH Sheathed Flat Cables With Bare CPC



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Manufactured to BS 7211 Table 7

Plain Annealed Copper Conductor / XLPE Insulated / LSNH Sheathed with bare Circuit Protective Conductor. 300/500V.

Conductor : Plain Annealed Copper Class 1 or 2 to BS EN 60228

Insulation: Thermosetting XLPE Type GP8 to BS 7655-1.3










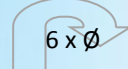
Sheath: Thermoplastic LSNH Type LTS 3 to BS 7655-6.1

Current Ratings: For current ratings refer to table 4E2 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.

Designed for use in light industrial and domestic wiring. These cables are particularly suited for installation as meter tails and are intended for fixed installation in dry or damp premises.

These cables can be installed in conduit, in cable trunking and in cable ducting. Or where there is deemed little risk of mechanical damage these cables can be clipped direct, on cable tray, embedded or in free air. These cables are not intended to be laid underground.

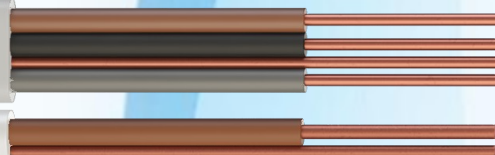
STANDARD CORE COLOURS 1 CORE  or  2 CORE   3 CORE   	MINIMUM OPERATING TEMPERATURE 	MAXIMUM OPERATING TEMPERATURE 	MINIMUM BENDING RADIUS 
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Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Stranding of CPC (mm)	Nominal Radial Thickness of insulation (mm)	Nominal Radial Thickness of Sheath (mm)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
*6241B1.5	1 x 1.5	1 / 1.38	1 / 1.13 (1.0mm ²)	0.7	0.9	4.4 x 5.4	5.3 x 6.6	56
H6242B1.0	2 x 1.0	1 / 1.13	1 / 1.13 (1.0mm ²)	0.7	0.9	4.1 x 7.6	5.0 x 9.1	64
+H6242B1.5	2 x 1.5	1 / 1.38	1 / 1.13 (1.0mm ²)	0.7	0.9	4.4 x 8.1	5.3 x 9.7	80
H6242B2.5	2 x 2.5	1 / 1.78	1 / 1.38 (1.5mm ²)	0.7	1.0	4.9 x 9.3	6.0 x 11.2	108
H6242B4.0	2 x 4.0	7 / 0.85	1 / 1.38 (1.5mm ²)	0.7	1.0	5.5 x 10.4	6.7 x 12.6	158
H6242B6.0	2 x 6.0	7 / 1.04	1 / 1.78 (2.5mm ²)	0.7	1.1	6.2 x 12.0	7.5 x 14.6	225
H6242B710	2 x 10.0	7 / 1.35	7 / 0.85 (4.0mm ²)	0.7	1.2	7.3 x 14.5	8.8 x 17.6	405
H6242B716	2 x 16.0	7 / 1.70	7 / 1.04 (6.0mm ²)	0.7	1.3	8.4 x 17.0	10.1 x 20.5	561
H6243B1.0	3 x 1.0	1 / 1.13	1 / 1.13 (1.0mm ²)	0.7	0.9	4.1 x 10.0	5.1 x 12.1	86
H6243B1.5	3 x 1.5	1 / 1.38	1 / 1.13 (1.0mm ²)	0.7	0.9	4.4 x 10.7	5.3 x 12.9	111

+Available with 2 brown cores—one skinned for easier identification. *Not BASEC approved
Weight and dimensional information is provided as an approximate guide only.

Product Certification Schedule

Schedule No: 040/001/218
Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification: BS 7211:1998 Incorporating Amendments Nos. 1 & 2 - Electric cables - Thermosetting insulated, non-armoured cables for voltages up to and including 450/750V, for electric power, lighting and internal wiring, and having low emission of smoke and corrosive gases when affected by fire.
Type of Cable: Table 7 - Thermosetting insulated, single-core, flat twin and flat 3-core sheathed cables with circuit protective conductor, 300/500V
HAR Document: Not applicable
HAR Specification: Not applicable
Range of Approval: 1sqmm to 16sqmm nominal cross-sectional area of conductors inclusive. Flat-twin.
1sqmm to 1.5sqmm nominal cross-sectional area of conductors inclusive. Flat 3-core. Sheath - LTS2. Insulation - GP8. Colour of Sheath - White or Red.
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: 05/02/2014

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

Date 28/01/2011

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



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