

Doncaster Cables

6241B / H6242B / H6243B

XLPE Insulated and LSNH Sheathed Flat Cables With Bare CPC



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

6241B / H6242B / H6243B

XLPE Insulated and LSNH Sheathed Flat Cables With Bare CPC

Manufactured to BS 7211:2012 Table 5

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










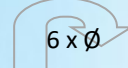
Sheath: Thermoplastic LSNH Type LTS 2 to BS 7655-6.1

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 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.

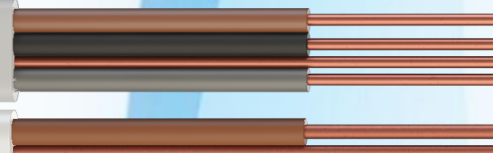
STANDARD CORE COLOURS 1 CORE  or  2 CORE   3 CORE   	MINIMUM OPERATING TEMPERATURE 	MAXIMUM OPERATING TEMPERATURE 	MINIMUM BENDING RADIUS 
---	---	---	--



DONCASTER CABLES

DONCASTER CABLES

DONCASTER CABLES





Doncaster Cables

6241B / H6242B / H6243B

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: 040/001/337
Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification: BS 7211:2012 Electric cables - Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire
Type of Cable: Table 5 - Thermosetting insulated, single-core 6241B, flat twin 6242B and flat 3-core 6243B sheathed cables with circuit protective conductor (CPC), 300/500 V
HAR Document: Not applicable
HAR Specification: Not applicable
Range of Approval: 1sqmm to 1.5sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 1 conductor. 1sqmm to 2.5sqmm nominal cross-sectional area of conductors inclusive. Flat twin to flat 3-core inclusive. Class 1 conductor. 4sqmm to 16sqmm nominal cross-sectional area of conductors inclusive. Flat twin to flat 3-core inclusive. Class 2 conductor. Sheath - LTS2. Insulation - GP8.
Origin Thread: BLUE/BROWN/GREY/ORANGE
Origin Mark: DONCASTER CABLES or GB 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 23/01/2017

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



004