

Doncaster Cables

6181B

Single Core XLPE Insulated and LSNH Sheathed

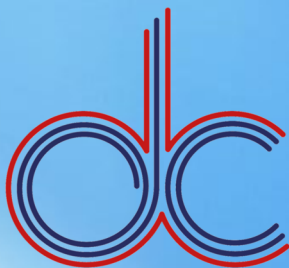


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Single Core XLPE Insulated and LSNH Sheathed

Manufactured to BS 7211:2012 Table 3






Annealed Stranded Copper Conductor / XLPE Insulated / LSNH Sheathed.
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 4 to BS 7655-6.1
- Current Ratings:** For current ratings refer to table 4E1 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  3 CORE 4 CORE 5 CORE	MINIMUM OPERATING TEMPERATURE 	MAXIMUM OPERATING TEMPERATURE 	MINIMUM BENDING RADIUS  6 x Ø
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Reference Number	Harmonisation Code	Nominal Cross Sectional Area of Conductor (mm ²)	Nominal Stranding of Conductor (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)
6181B1.0	National Type	1.0	1 / 1.13	0.7	0.8	3.9	4.8	30
6181B1.5	National Type	1.5	1 / 1.38	0.7	0.8	4.2	5.0	35
6181B2.5	National Type	2.5	1 / 1.78	0.7	0.8	4.6	5.5	45
6181B4.0	National Type	4.0	7 / 0.85	0.7	0.9	5.3	6.4	70
6181B6.0	National Type	6.0	7 / 1.04	0.7	0.9	5.9	7.1	95
6181B710	National Type	10.0	7 / 1.35	0.7	0.9	6.7	8.1	135
6181B716	National Type	16.0	7 / 1.70	0.7	0.9	7.6	9.2	200
6181B725	National Type	25.0	7 / 2.14	0.9	1.0	9.4	11.4	300
6181B735	National Type	35.0	7 / 2.52	0.9	1.1	10.6	12.8	405

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

Product Certification Schedule

Schedule No: 040/001/354

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

Factory: DONCASTER CABLES, MILLFIELDS INDUSTRIAL ESTATE, ARKSEY LANE, BENTLEY, DONCASTER, SOUTH YORKSHIRE, 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 3
Thermosetting insulated, single-core sheathed cables 6181B, 450/750 V

HAR Document: Not applicable

HAR Specification: Not applicable

Range of Approval: 1.0sqmm to 6sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 1 conductor.
1.0sqmm to 35sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 2 conductor.
Sheath - LTS4. 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 10/04/2017

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



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