



Doncaster Cables

MULTIUSE SCREENED/PROTECTED FIXED WIRING CABLE



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Manufactured to BS 8436 Table 1

Plain Annealed Copper Conductors / XLPE Insulated / Tinned Copper Circuit Protective Conductor / Laminated Aluminium Tape Screen / Thermoplastic Low Smoke Non-Halogen (LSNH) Sheath. 300/500V

| | |
|-------------------------|--|
| Conductor : | Plain Annealed Copper Class 1 or 2 to BS EN 60228 |
| Insulation: | Thermosetting XLPE Type GP8 to BS 7655-1.3 |
| Screen : | Laminated Aluminium Screen In Direct Contact With Tinned Annealed Copper CPC. Providing excellent Earthing Characteristics |
| Sheath: | Thermoplastic LSNH Type LTS 3 to BS 7655-6.1 |
| Current Ratings: | For current ratings refer to table 4D1 of BS7671 IEE Wiring Regulations Seventeenth Edition. |

STANDARD CORE COLOURS

| | |
|--------|--|
| 2 CORE | |
| 3 CORE | |
| 4 CORE | |

MINIMUM
OPERATING
TEMPERATURE

-15°C

MAXIMUM
OPERATING
TEMPERATURE

70°C

MINIMUM
BENDING
RADIUS

6 x Ø

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These cables are intended for installation in air (which includes installation in trunking or other closed systems), and in thin partitions and building voids when connected to a suitably selected protective device. Providing that the design and installation is carried out in accordance with BS7671 the cable can also be installed in ductwork, behind plaster, indoors and outdoors (where suitably protected)

Key benefits to using Multiuse cable are that it is quick to install, lightweight, flexible and pliable - all these features result in a pre-shielded cable which is easy to install and easily dressed.

However, the main advantages of Multiuse cable can be found when being installed in floors, ceilings, thin walls and partitions.

Multiuse can be used as a solution to meeting BS7671:2008 clauses 522.6.100 to 522.6.103 - which relate to concealed cables at a depth of less than 50mm.

Multiuse cable is manufactured to BS8436 - which means that it is a protected fixed wiring cable. The protection is given by an aluminium tape which is adhered to the outer sheath of the cable. This cable design provides a fail safe when used in an electrical circuit that is penetrated by nails or other sharp metallic objects.

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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) | Nominal Overall Diameter (mm) | Approximate Weight (kg/km) |
|------------------|--|-------------------------------------|-------------------------------|---|---|-------------------------------|----------------------------|
| HMU2C1.0 | 2 x 1.0 | 1/1.13 | 1/1.13 | 0.6 | 0.9 | 7.3 | 88 |
| HMU2C1.5 | 2 x 1.5 | 7/0.53 | 7/0.53 | 0.7 | 0.9 | 9.1 | 106 |
| HMU2C2.5 | 2 x 2.5 | 7/0.67 | 7/0.67 | 0.7 | 1.0 | 10.2 | 140 |
| HMU2C4.0 | 2 x 4.0 | 7/0.85 | 7/0.85 | 0.7 | 1.1 | 11.0 | 190 |
| HMU2C6.0* | 2 x 6.0 | 7/1.04 | 7/1.04 | 1.0 | 1.0 | 13.6 | 275 |
| | | | | | | | |
| HMU3C1.0 | 3 x 1.0 | 1/1.13 | 1/1.13 | 0.6 | 0.9 | 7.7 | 105 |
| HMU3C1.5 | 3 x 1.5 | 7/0.53 | 7/0.53 | 0.7 | 0.9 | 9.6 | 130 |
| HMU3C2.5 | 3 x 2.5 | 7/0.67 | 7/0.67 | 0.7 | 1.0 | 10.8 | 172 |
| HMU3C4.0 | 3 x 4.0 | 7/0.85 | 7/0.85 | 0.7 | 1.1 | 11.6 | 238 |
| | | | | | | | |
| HMU4C1.0 | 4 x 1.0 | 1/1.13 | 1/1.13 | 0.6 | 1.0 | 8.5 | 125 |
| HMU4C1.5 | 4 x 1.5 | 7/0.53 | 7/0.53 | 0.7 | 1.0 | 10.6 | 155 |
| HMU4C2.5 | 4 x 2.5 | 7/0.67 | 7/0.67 | 0.7 | 1.1 | 11.9 | 204 |
| HMU4C4.0 | 4 x 4.0 | 7/0.85 | 7/0.85 | 0.7 | 1.2 | 12.9 | 294 |
| HMU4C6.0* | 4 x 6.0 | 7/1.04 | 7/1.04 | 1.0 | 1.0 | 15.7 | 420 |

* BASEC Approved to IS273 as opposed to BS8436

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

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Product Certification Schedule

Schedule No: 040/001/353

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 8436:2011 Electric Cables - Specification for 300/500V screened electric cables having low emission of smoke and corrosive gases when affected by fire, for use in walls, partitions and building voids - Multicore cables

Type of Cable: Table 1 Dimensions of cables

HAR Document: Not applicable

HAR Specification: Not applicable

Range of Approval: 1sqmm to 4sqmm nominal cross-sectional area of conductors inclusive.
2-core to 4-core inclusive.
Sheath - LTS3. 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 06/04/2017

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



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