

Doncaster Cables

6241Y / H6242Y / H6243Y

PVC Insulated and PVC 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

6241Y / H6242Y / H6243Y

PVC Insulated and PVC Sheathed Flat Cables With Bare CPC










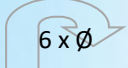
Manufactured to BS 6004:2012 Table 4

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

- Conductor :** Plain Annealed Copper Class 1 or 2 to BS EN 60228
- Insulation:** PVC Type TI1 to BS EN 50363-3
- Sheath:** PVC Type 6 to BS7655-4.2
- Current Ratings:** For current ratings refer to table 4D5 of BS7671 IEE Wiring Regulations Seventeenth Edition.

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

6241Y / H6242Y / H6243Y

PVC Insulated and PVC Sheathed Flat Cables With Bare CPC

| 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) |
|------------------|--|-------------------------------------|--------------------------------|---|---|-----------------------------------|-----------------------------------|
| H6241Y | 1 x 1.0 | 1 / 1.13 | 1 / 1.13 (1.0mm ²) | 0.6 | 0.9 | 4.0 x 5.1 | 5.2 x 6.4 |
| H6241Y | 1 x 1.5 | 1 / 1.38 | 1 / 1.13 (1.0mm ²) | 0.7 | 0.9 | 4.4 x 5.4 | 5.8 x 7.0 |
| +H6242Y | 2 x 1.0 | 1 / 1.13 | 1 / 1.13 (1.0mm ²) | 0.6 | 0.9 | 4.0 x 7.2 | 4.7 x 8.6 |
| +H6242Y | 2 x 1.5 | 1 / 1.38 | 1 / 1.13 (1.0mm ²) | 0.7 | 0.9 | 4.4 x 8.2 | 5.4 x 9.6 |
| *H6242YST | 2 x 1.5 | 7 / 0.53 | 1 / 1.13 (1.0mm ²) | 0.7 | 0.9 | 4.5 x 8.4 | 6.6 x 10.0 |
| H6242Y | 2 x 2.5 | 1 / 1.78 | 1 / 1.38 (1.5mm ²) | 0.8 | 1.0 | 5.2 x 9.8 | 6.2 x 11.5 |
| *H6242YST | 2 x 2.5 | 7 / 0.67 | 1 / 1.38 (1.5mm ²) | 0.8 | 1.0 | 5.2 x 9.8 | 6.6 x 12.0 |
| H6242Y | 2 x 4.0 | 7 / 0.85 | 1 / 1.38 (1.5mm ²) | 0.8 | 1.0 | 5.6 x 10.5 | 7.2 x 13.0 |
| H6242Y | 2 x 6.0 | 7 / 1.04 | 1 / 1.78 (2.5mm ²) | 0.8 | 1.1 | 6.4 x 12.5 | 8.0 x 15.0 |
| H6242Y | 2 x 10.0 | 7 / 1.35 | 7 / 0.85 (4.0mm ²) | 1.0 | 1.2 | 7.8 x 15.5 | 9.6 x 19.0 |
| H6242Y | 2 x 16.0 | 7 / 1.70 | 7 / 1.04 (6.0mm ²) | 1.0 | 1.3 | 9.8 x 18.0 | 11.0 x 22.5 |
| H6243Y | 3 x 1.0 | 1 / 1.13 | 1 / 1.13 (1.0mm ²) | 0.6 | 0.9 | 4.0 x 9.6 | 4.7 x 11.0 |
| H6243Y | 3 x 1.5 | 1 / 1.38 | 1 / 1.13 (1.0mm ²) | 0.7 | 0.9 | 4.4 x 10.5 | 5.4 x 12.5 |
| H6243Y | 3 x 2.5 | 1 / 1.78 | 1 / 1.38 (1.5mm ²) | 0.8 | 1.0 | 5.2 x 12.5 | 6.2 x 14.5 |

DONCASTER CABLES

DONCASTER CABLES

DONCASTER CABLES

* Manufactured to BS6004 Table 9. +Available with 2 brown cores—one skinned for easier identification.

Product Certification Schedule

Schedule No: 040/001/335
Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification: BS 6004:2012 Electric Cables - PVC insulated and PVC sheathed cables for voltages up to and including 300/500V, for electric power and lighting
Type of Cable: Table 4 - PVC insulated, PVC sheathed cable with circuit protective conductor (CPC), 300/500 V, single core 6241Y, flat twin 6242Y and flat 3-core 6243Y
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 - Type 6. Insulation - T11.
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