



Doncaster Cables

6241Y / H6242Y / H6243Y

PVC Insulated and PVC Sheathed Flat Cables With Bare CPC



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Manufactured to BS 6004 Table 8

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 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

STANDARD CORE COLOURS

1 CORE  or 
2 CORE  
3 CORE   

MINIMUM
OPERATING
TEMPERATURE

-15°C

MAXIMUM
OPERATING
TEMPERATURE

70°C

MINIMUM
BENDING
RADIUS

6 x Ø

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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)
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	45
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	55
+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	68
+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	85
*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	90
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	120
*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	125
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	175
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	240
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	390
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	560
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	91
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	115
H6243Y	3 x 2.5	1 / 1.78	1 / 1.13 (1.0mm ²)	0.8	1.0	5.2 x 12.5	6.2 x 14.5	170

* Manufactured to BS6004 Table 9. +Available with 2 brown cores—one skinned for easier identification. Weight and dimensional information is provided as an approximate guide only.

Product Certification Schedule

Schedule No: 040/001/217

Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ

Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ

Specification: BS 6004:2000 Incorporating Amendment Nos. 1 & 2 - Electric Cables - PVC insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring.

Type of Cable: Table 8 - PVC insulated, PVC sheathed cable with circuit protective conductor, 300/500 V, single core, flat twin and 3-core.

HAR Document: Not applicable

HAR Specification: Not applicable

Range of Approval: Copper Conductor Cables - 1.0sqmm and 1.5sqmm nominal cross-sectional areas of conductor. Single core.
1.0sqmm - 16sqmm nominal cross-sectional areas of conductor inclusive. Flat twin and 3-core inclusive.
Sheath - Type 6. Insulation - T11. Colour of Sheath - Grey 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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