



Doncaster Cables

309-Y (H05V2V2-F)

Heat Resisting PVC Insulated and Sheathed Flexible Cords



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ

Tel: 01302 821700

Fax: 01302 821701

Email: sales@doncascercables.com



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Manufactured to BS EN 50525-2-11:2011 Clause 5.2, Table B.2.

Annealed Flexible Copper Conductor / Heat Resisting PVC Insulated / Heat Resisting PVC Sheathed. 300/500V

- Conductor :** Plain Annealed Copper Class 5 Flexible to BS EN 60228
- Insulation:** PVC Type T13 to BS EN 50363-3
- Sheathing:** PVC Type TM3 to B EN 50363-4-1

Current Ratings: For current ratings refer to table 4F3 of BS7671 IEE Wiring Regulations Seventeenth Edition.

Heat resisting ordinary duty flexible cords are used where the risk of mechanical damage and mechanical stresses is normal, i.e. when cables are subject to low mechanical stresses in the areas of application, and the risk of mechanical damage is low, as is the case to be expected in the normal use of small to medium size equipment in domestic and commercial as well as in light industrial premises.

Examples of appliances that use heat resisting ordinary duty flexible cords are portable tools, immersion heaters, washing machines, cookers and refrigerators; especially in higher temperature zones.

STANDARD CORE COLOURS	MINIMUM OPERATING TEMPERATURE	MAXIMUM OPERATING TEMPERATURE	MINIMUM BENDING RADIUS
2 CORE 3 CORE 4 CORE 5 CORE			

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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)
3092Y0.75	H05V2V2-F	0.75	24/0.2	0.6	0.8	5.7	7.2	56
3092Y1.0	H05V2V2-F	1.0	32/0.2	0.6	0.8	5.9	7.5	73
3092Y1.5	H05V2V2-F	1.5	30/0.25	0.7	0.8	6.8	8.6	95
3092Y2.5	H05V2V2-F	2.5	50/0.25	0.8	1.0	8.4	10.6	150
3092Y4.0	H05V2V2-F	4.0	56/0.30	0.8	1.1	9.7	12.1	195
3093Y0.75	H05V2V2-F	0.75	24/0.2	0.6	0.8	6.0	7.6	69
3093Y1.0	H05V2V2-F	1.0	32/0.2	0.6	0.8	6.3	8.0	77
3093Y1.25	N/A*	1.25	40/0.2	0.7	0.9	6.9	8.7	90
3093Y1.5	H05V2V2-F	1.5	30/0.25	0.7	0.9	7.4	9.4	100
3093Y2.5	H05V2V2-F	2.5	50/0.25	0.8	1.1	9.2	11.4	150
3093Y4.0	H05V2V2-F	4.0	56/0.30	0.8	1.2	10.5	13.1	252
3094Y0.75	H05V2V2-F	0.75	24/0.2	0.6	0.8	6.6	8.3	78
3094Y1.0	H05V2V2-F	1.0	32/0.2	0.6	0.9	7.1	9.0	110
3094Y1.5	H05V2V2-F	1.5	30/0.25	0.7	1.0	8.4	10.5	150
3094Y2.5	H05V2V2-F	2.5	50/0.25	0.8	1.1	10.1	12.5	220
3094Y4.0	H05V2V2-F	4.0	56/0.30	0.8	1.2	11.5	14.3	310
H3095Y0.75	H05V2V2-F	0.75	24/0.2	0.6	0.9	7.4	9.3	94
H3095Y1.0	H05V2V2-F	1.0	32/0.2	0.6	0.9	7.8	9.8	132
H3095Y1.5	H05V2V2-F	1.5	30/0.25	0.7	1.1	9.3	11.6	180
H3095Y2.5	H05V2V2-F	2.5	50/0.25	0.8	1.2	11.2	13.9	264
H3095Y4.0	H05V2V2-F	4.0	56/0.30	0.8	1.4	13.0	16.1	370

* NOT HARMONISED . Weight and dimensional information is provided as an approximate guide only.

Product Certification Schedule

Schedule No. 040/001/341
Test Report No. G1TTA037
Prev. Schedule No. 040/001/314
Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification BS EN 50525-2-11:2011 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) Part 2-11: Cables for general applications - Flexible cables with thermoplastic PVC insulation
Type of Cable Heat resistant cables (90°C)
Clause 5.2 Ordinary duty cables - H05V2V2-F and H05V2V2H2-F
Table B.2 Cables rated at 300/500 V
HAR Document EN 50525-2-11:2011
HAR Specification Circular cables: H05V2V2-F; Flat cable: H05V2V2H2-F
Range of Approval 0.75sqmm to 4sqmm nominal cross-sectional area of conductors inclusive. 2-core to 5-core inclusive. Class 5 conductor. Circular cables. 0.75sqmm to 1.5sqmm nominal cross-sectional area of conductors inclusive. 2-core. Class 5 conductor. Flat cables. Sheath - TM3. Insulation - TI3.
Origin Thread BLUE/BROWN/GREY/ORANGE
Origin Mark DONCASTER CABLES or GB CABLES

PERMISSIBLE MARKS



BASEC ◁ HAR ▷

BLACK - 1cm
RED - 1cm
YELLOW - 3cm
THREAD

Note: The black - red - yellow thread has been registered in this country as an identification thread in the BSI "Register of colours of manufacturers' threads for electric cables and cords" for Verband Deutscher Elektrotechniker (VDE) e.V., Frankfurt, Germany. VDE has authorized BASEC to use this thread.

Please refer the BASEC Product Certification Requirements

Expiry Date: 05/02/2020

This certificate is issued according to the rules of the HAR agreement. The certification Scheme meets the criteria for type 5 Scheme laid down in the ISO/IEC 17067:2013 (Type Testing, Factory Inspection with assurance of conformity by continuous sample testing, production surveillance and market surveillance). The certificate issued by any Certification Body adhering to the HAR Agreement has the same worth and validity in all the other Certification Bodies' countries. Compliance with the requirements of the above listed Harmonised Standards carries a presumption of conformity with the essential safety requirements of Directive 2014/35/EC (Low Voltage Directive).

Signed for and on behalf of the British Approvals Service for Cables

Date

5/2/2017

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

