

Doncaster Cables

6491B (H07Z-R)

LSNH Thermosetting Insulated Single Core Cable



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Manufactured to BS EN 50525-3-41:2011 Clause 4.1, Table B.1




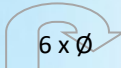
Plain Annealed Copper Conductor / Thermosetting LSNH (Low Smoke Non Halogen) Insulated. Single Core. 450/750V.

Conductor : Plain Annealed Copper Class 2 to BS EN 60228

Insulation: LSNH Thermosetting Type EI5 to BS EN 50363-5

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. They are intended for installation in surface mounted or embedded conduits, or similar closed systems. These cables are suitable for use in channels with cover. Suitable for fixed protected installation in or on light fittings and inside applications, switchgear and controlgear, for voltages up to 750V a.c or up to 450V to earth d.c

<p>STANDARD CORE COLOURS</p>  <p>(other colours available)</p>	<p>MINIMUM OPERATING TEMPERATURE</p> 	<p>MAXIMUM OPERATING TEMPERATURE</p> 	<p>MINIMUM BENDING RADIUS</p> 
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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)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
6491B1.5	H07Z-R	1.5	7 / 0.53	0.7	2.7	3.4	21
6491B2.5	H07Z-R	2.5	7 / 0.67	0.8	3.3	4.1	35
6491B4.0	H07Z-R	4.0	7 / 0.85	0.8	3.8	4.7	50
6491B6.0	H07Z-R	6.0	7 / 1.04	0.8	4.3	5.4	70
6491B710	H07Z-R	10.0	7 / 1.35	1.0	5.6	7.0	120
6491B716	H07Z-R	16.0	7 / 1.70	1.0	6.4	8.0	175
6491B725	H07Z-R	25.0	7 / 2.14	1.2	8.1	10.1	284
6491B735	H07Z-R	35.0	7 / 2.52	1.2	9.0	11.3	375
6491B750	H07Z-R	50.0	19 / 1.78	1.4	10.6	13.2	520
6491B770	H07Z-R	70.0	19 / 2.14	1.4	12.1	15.1	704
6491B795	H07Z-R	95.0	19 / 2.52	1.6	14.1	17.6	992
6491B8120	H07Z-R	120.0	37 / 2.03	1.6	15.6	19.4	1234
6491B8150	H07Z-R	150.0	37 / 2.25	1.8	17.3	21.6	1487
6491B8185	H07Z-R	185.0	37 / 2.52	2.0	19.3	24.1	1792

Product Certification Schedule

Schedule No. 040/001/355

Test Report No. K5TTA037 & K5TTL037

Prev. Schedule No. 040/001/350

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

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

Specification BS EN 50525-3-41:2011 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) - Part 3-41: Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke

Type of Cable Heat resistant cables (90°C)
 Clause 4.1 - Cables for fixed wiring - H07Z-U and H07Z-R
 Table B.1 - Cables with rigid conductor (450/750 V)

HAR Document EN 50525-3-41:2011

HAR Specification Solid conductor: H07Z-U; Stranded conductor: H07Z-R

Range of Approval 1.5sqmm to 10sqmm nominal cross-sectional area of conductors inclusive.
 Single-core. Class 1 conductor.
 1.5sqmm to 185sqmm nominal cross-sectional area of conductors inclusive.
 Single-core. Class 2 conductor.
 Insulation - EI5.

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 20/4/2017

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

