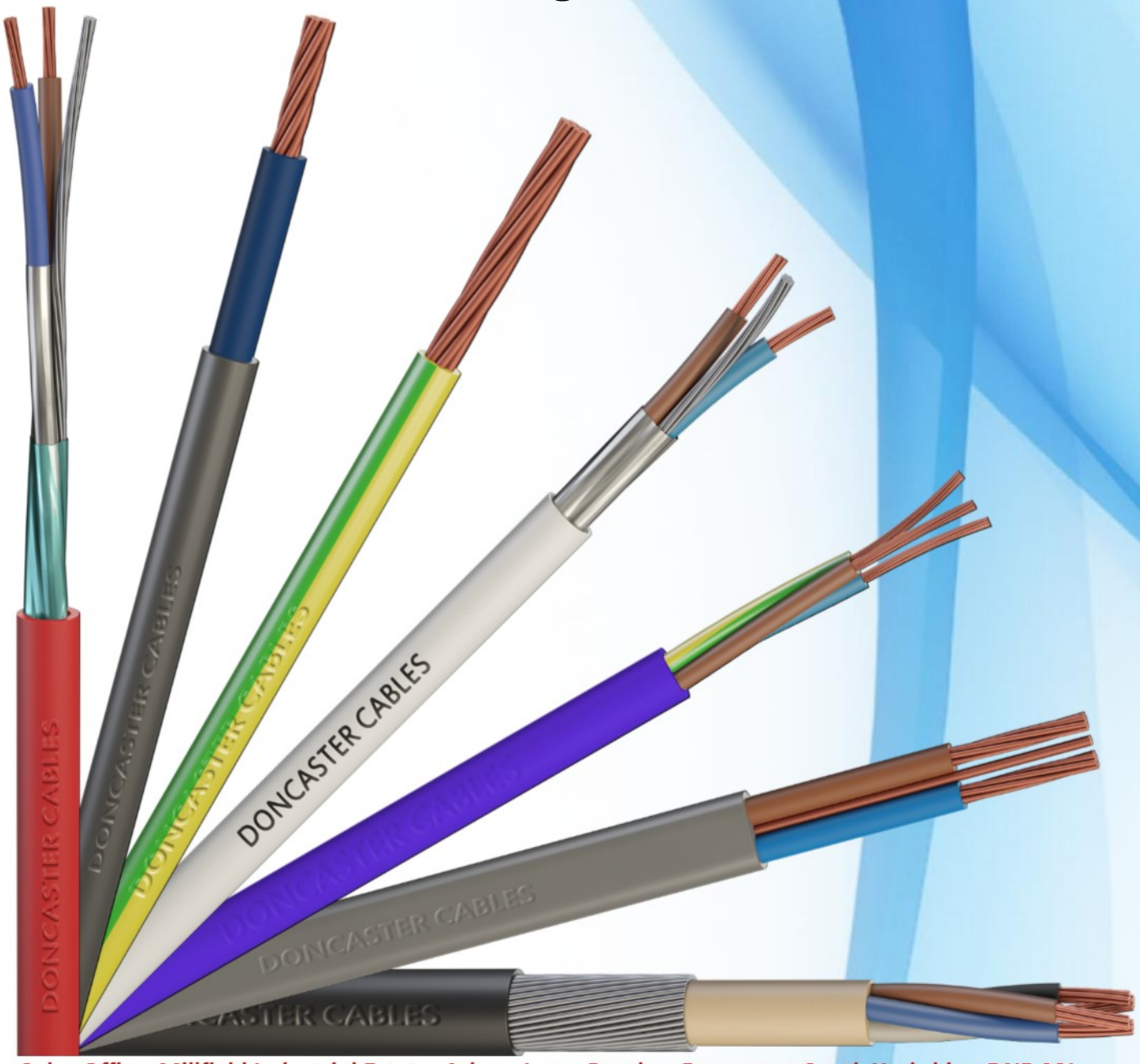
PRODUCT MARKING LICENCE NO: 040/001

Doncaster Cables

6491X (H07V-U / H07V-R)

PVC Insulated Single Core Conduit Cable



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PVC Insulated Single Core Conduit Cable

Manufactured to BS EN 50525-2-31:2011 Clause 4.1, Table B.1

Annealed Copper Conductor / PVC Insulated. 450/750V*

Conductor : Plain Annealed Copper Class 1 or 2 to BS EN 60228

Insulation: PVC Type TI1 to BS EN 50363-3

Current Ratings: For current ratings refer to table 4D1 of BS7671 IEE Wiring Regulations Seventeenth Edition.

These cables 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.. When installed in an earthed metal enclosure, cables are suitable for voltages up to 1000V a.c or up to 750V to earth d.c.

STANDARD CORE COLOURS	MINIMUM OPERATING TEMPERATURE	MAXIMUM OPERATING TEMPERATURE	MINIMUM BENDING RADIUS
(other colours available)	-15°C	70°C	6 x Ø

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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)
6491X	HO5V-U	1.0*	1 / 1.13	0.6	2.2	2.7	15
6491X	HO7V-U	1.5	1 / 1.38	0.7	2.6	3.2	21
ST91X	HO7V-R	1.5	7 / 0.53	0.7	2.7	3.3	21
6491X	HO7V-U	2.5	1 / 1.78	0.8	3.2	3.9	33
ST91X	HO7V-R	2.5	7 / 0.67	0.8	3.3	4.0	35
6491X	HO7V-R	4.0	7 / 0.85	0.8	3.8	4.6	50
6491X	HO7V-R	6.0	7 / 1.04	0.8	4.3	5.2	70
6491X	HO7V-R	10.0	7 / 1.35	1.0	5.6	6.7	120
6491X	HO7V-R	16.0	7 / 1.70	1.0	6.4	7.8	175
6491X	HO7V-R	25.0	7 / 2.14	1.2	8.1	9.7	290
6491X	HO7V-R	35.0	7 / 2.52	1.2	9.0	10.9	400
6491X	HO7V-R	50.0	19 / 1.78	1.4	10.6	12.8	565
6491X	HO7V-R	70.0	19 / 2.14	1.4	12.1	14.6	770
6491X	HO7V-R	95.0	19 / 2.52	1.6	14.1	17.1	1010
6491X	HO7V-R	120.0	37 / 2.03	1.6	15.6	18.8	1260
6491X	HO7V-R	150.0	37 / 2.25	1.8	17.3	20.9	1522
6491X	HO7V-R	185.0	37 / 2.52	2.0	19.3	23.3	1900
6491X	HO7V-R	240.0	61/2.25	2.2	22.0	26.6	2490
6491X	HO7V-R	300.0**	61/2.52	2.4	24.5	29.6	3100

*1.0mm^2 is 300/500V

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

BASEC
BRITISH APPROVALS SERVICE FOR CABLES

Product Certification Schedule

Schedule No.	040/001/342
Test Report No.	G1TTA037
Prev. Schedule No.	040/001/315
Licensee:	DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory:	DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification	BS EN 50525-2-31:2011 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) - Part 2-31: Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation
Type of Cable	Clause 4.1 - Cables for fixed wiring - H07V-U and H07V-R Table B.1 - Cables with rigid conductor (450/750 V)
HAR Document	EN 50525-2-31:2011
HAR Specification	Solid conductor: H07V-U; Stranded conductor: H07V-R
Range of Approval	1.5sqmm to 10sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 1 conductor. 1.5sqmm to 240sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 2 conductor. Insulation - TI1.
Origin Thread	BLUE/BROWN/GREY/ORANGE
Origin Mark	DONCASTER CABLES or GB CABLES or CLIPSAL or LYON 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' counties. 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.

UKAS PRODUCT CERTIFICATION
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