6491X (H07V-U / H07V-R)

PVC Single Core Conduit Wire. BS EN 50525-2-31. 450/750 V

Draka 6491X is a single core, low voltage wiring cable designed for installation within conduit, trunking or inside fixed protected environments

KEY APPLICATIONS

Installation in surface mounted or embedded conduits, or similar closed systems and for fixed protected installation in or on lighting fittings and inside appliances, switch gear and control gear.

Green/Yellow for use as earth can be installed without mechanical protection.

FEATURES AND BENEFITS

- Manufactured under ISO 9001 Quality management systems

STANDARDS

BS EN 50525-2-31	Construction Standard
BS EN 60332-1-2	Flame Propagation - Single Cable

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Polyvinyl chloride (PVC)

APPLICATIONS PROPERTIES

Nominal voltage U0 [V]	450
Nominal voltage U [V]	750
Flame retardant	In accordance with BS EN 60332-1-2
Max. conductor temperature [°C]	70
Min. Operation temperature [°C]	-15
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	60
Bending radius (rule)	6D

COLOURS

A range of insulation colours are available, including green/yellow

CURRENT RATINGS

Refer to table 4D1 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

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TECHNICAL DATA

Nominal cross section conductor [mm²]	Conductor category	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
1.5	Class 2 = stranded	0.7	3	21	12.1
2.5	Class 2 = stranded	0.8	3.6	32	7.41
4	Class 2 = stranded	0.8	4.2	47	4.61
6	Class 2 = stranded	0.8	4.7	67	3.08
10	Class 2 = stranded	1	6.3	120	1.83
16	Class 2 = stranded	1	6.9	170	1.15
25	Class 2 = stranded	1.2	8.3	255	0.727
35	Class 2 = stranded	1.2	9.3	345	0.524
50	Class 2 = stranded	1.4	11.2	480	0.387
70	Class 2 = stranded	1.4	12.8	670	0.268
95	Class 2 = stranded	1.6	14.8	930	0.193
120	Class 2 = stranded	1.6	16.1	1,150	0.153
150	Class 2 = stranded	1.8	18	1,450	0.124
185	Class 2 = stranded	2	21	1,800	0.0991
240	Class 2 = stranded	2.2	23	2,400	0.0754
300	Class 2 = stranded	2.4	26	3,000	0.0601
400	Class 2 = stranded	2.6	30	3,800	0.047
500	Class 2 = stranded	2.8	33	4,900	0.0366
630	Class 2 = stranded	2.8	36	6,100	0.0283