



Draka

6491X

Draka 6491X - Single Core PVC Wiring Cable

Draka 6491X is a PVC insulated single core, low voltage copper wiring cable for installation within enclosed, protected environments or without mechanical protection for Green/Yellow earth cable. Particularly suitable for wiring systems the cable is easily drawn into conduit and trunking used for lighting and power circuits indoors or outdoors.



Construction

Manufacturing standard:	BS EN 50525-2-31
Harmonized code	H07V - U H07V - R
Conductors:	Solid or stranded plain annealed copper wire (class 1 or class 2) to BS EN 60228.
Insulation:	PVC.

Physical Characteristics

Voltage rating (U_o/U):	450/750V Note: 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.
Max, Conductor temp:	70 °C
Min, bending radius:	6 x overall diameter of cable.
Current rating:	Refer to tables 4D1A & 4D1B in BS7671

A range of insulation colours are available including green/yellow



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Nominal area of conductor	Insulation thickness	Approx overall diameter	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm ²	mm	mm	kg/km	Ω/km
1.5*	0.7	2.8	20	12.10
1.5	0.7	3	25	12.10
2.5*	0.8	3.4	30	7.41
2.5	0.8	3.7	35	7.41
4	0.8	4.2	50	4.61
6	0.8	4.8	70	3.08
10	1.0	6	115	1.83
16	1.0	6.8	165	1.15
25	1.2	8.4	260	0.727
35	1.2	9.4	345	0.524
50	1.4	11.2	475	0.387
70	1.4	12.7	665	0.268
95	1.6	14.7	920	0.193
120	1.6	16.1	1145	0.153
150	1.8	17.9	1415	0.124
185	2.0	20.2	1780	0.0991
240	2.2	22.9	2330	0.0754
300	2.4	25.6	2935	0.0601
400	2.6	31.0	3900	0.0470
500	2.8	34.9	4995	0.0366
630	2.8	39.3	6300	0.0283



Draka6491X04032015*

*Solid (class 1) conductor

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