



# 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. 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
Conductors:	Solid or stranded plain annealed copper wire (class 1 or class 2) to BS EN 60228.
Insulation:	PVC.

### Physical Characteristics

Voltage rating (Uo/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 mm <sup>2</sup>	Insulation thickness mm	Approx overall diameter mm	Approx. weight of cable kg/km	Maximum conductor resistance @ 20°C 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



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\*Solid (class 1) conductor