

PVC Single Core Cable

6491X Cu/PVC 450/750V

Cable Application

6491X H07V-R cable is suitable for power, lighting networks, switchgear, control gear and internal wiring. The PVC earthing cable is suitable for use in conduit and for fixed protected installation. The class 1 or 2 plain annealed copper conductor is PVC insulated. Available in a variety of colours, the PVC insulated non-armoured cable complies with 450/750 volts BS6004.

Technical Information

Conductor Material:	Copper, BS6004 Table 4a
Conductor Shape:	Stranded circular
Outer Sheath:	PVC (Polyvinyl-Chloride)
Colour:	1.5mm & 2.5mm: Brown, black, blue, grey, green/yellow (earth), orange, red & white 4.0mm up to 630mm: brown, black, blue, grey and green/yellow (earth)
Lead Free:	Yes
Rated Voltage Uo/U (Um):	450/750V, BS6004
Installation Temperature:	Minimum: 0°C • Maximum: 60°C
Operating Temperature:	Minimum: -15°C • Maximum: 70°C
Short-circuit Maximum Conductor Temperature:	250°C
Installation Type:	Conduit wiring
Flame Retardant:	BS EN 50265
Bending Radius:	1.5mm ² up to 25mm ² = 3 x Ø 35mm ² up to 240mm ² = 4 x Ø 240mm ² up to 630mm ² = 6 x Ø

Part number	Cross section mm ²	Stranding mm	Approx weight kg/km	Approx overall diameter	Nylon A2 Gland size mm	Nom. Max. DC-resist conductor 20°C ohm/km	Current rating laid direct amp	
							Single-phase a.c. or d.c. amp	Three-phase a.c. amp

6491X / H07V-R

6491X1.5+	1 x 1.5	7/0.53	20.5	2.9	16	12.10	17.5	15.5
6491X1.5*+	1 x 1.5	1/1.38	21	2.8	16	12.10	17.5	15.5
6491X2.5+	1 x 2.5	7/0.67	33.5	3.53	16	7.41	24	21
6491X2.5*+	1 x 2.5	1/1.78	35	3.4	16	7.41	24	21
6491X4.0+	1 x 4.0	7/0.85	49.5	4.4	16	4.61	32	28
6941X6.0+	1 x 6.0	7/1.04	70	4.68	16	3.08	41	36
6491X10+	1 x 10	7/1.35	117	5.98	16	1.83	57	50
6491X16+	1 x 16	7/1.70	176	6.95	16	1.15	76	68
6491X25+	1 x 25	7/2.14	274	8.7	20	0.727	101	89
6491X35+	1 x 35	7/2.52	378	10.08	20	0.524	125	110
6491X50+	1 x 50	19/1.78	560	11.8	20	0.387	151	134

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6491X / H07V-R								
6491X70+	1 x 70	19/2.14	718	13.5	25	0.268	192	171
6491X95+	1 x 95	19/2.52	989	15.7	25	0.193	232	207
6491X120+	1 x 120	37/2.03	1,213	17.4	25	0.153	296	239
6491X150+	1 x 150	37/2.25	1,504	19.3	32	0.124	300	262
6491X185+	1 x 185	37/2.52	1,899	21.5	32	0.0991	341	296
6491X240+	1 x 240	61/2.25	2,482	24.6	32	0.0754	400	346
6491X300+	1 x 300	61/2.52	3,040	27.9	40	0.0601	458	394
6491X400+	1 x 400	61/3.85	3,948	30.8	40	0.047	546	467
6491X500+	1 x 500	61/3.20	4,951	33.8	50	0.0366	626	533
6491X630+	1 x 630	127/2.50	6,273	37.6	50	0.0283	720	611

* Solid conductor

+ Add colour you require

For current ratings refer to IEE Regulations tables 4D1 and 2 pages 108 to 111.