

6491 X

GENERAL WIRING CABLE

STANDARD: BS 6004

VOLTAGE RATING: 450/750V (1mm² 300/500V)

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.

APPLICATION:

Industrial wiring, these cables are intended for installation in trunking and conduit. They may also be used inside fixed, protected installations such as light fittings, appliances, switchgear and control gear.

CONSTRUCTION:

Single core cable. Solid or stranded plain copper conductor, PVC insulated only.

INSULATION COLOURS:

Black, Brown, Yellow†, Blue, Red, Green/Yellow, Grey, Orange, Pink, Turquoise and Violet. White is also available.

BASEC: Certified

MAXIMUM CONDUCTOR TEMPERATURE: 70°C.

CURRENT RATING: Refer to tables 4D1A & 4D1B in BS7671 or on page 94-95.

Nominal area of conductor	Class of conductor	Conductor resistance 20°C	Insulation thickness	Mean overall diameter (upper limit)	Approx. nett weight	Harmonised codes	Minimum bending radius factor
mm ²		Ω/km	mm	mm	kg/km		
1.0	1	18.1	0.6	2.7	15	H05V-U	3D
1.5	1	12.1	0.7	3.2	21	H07V-U	3D
1.5	2	12.1	0.7	3.3	22	H07V-R	3D
2.5	1	7.41	0.8	3.9	32	H07V-U	3D
2.5	2	7.41	0.8	4.0	35	H07V-R	3D
4	2	4.61	0.8	4.6	50	H07V-R	3D
6	2	3.08	0.8	5.2	71	H07V-R	3D
10	2	1.83	1.0	6.7	120	H07V-R	3D
16	2	1.15	1.0	7.8	180	H07V-R	3D
25	2	0.727	1.2	9.7	280	H07V-R	3D
35	2	0.524	1.2	10.9	380	H07V-R	4D
50	2	0.387	1.4	12.8	510	H07V-R	4D
70	2	0.268	1.4	14.6	710	H07V-R	4D
95	2	0.193	1.6	17.1	970	H07V-R	4D
120	2	0.153	1.6	18.8	1200	H07V-R	4D
150	2	0.124	1.8	20.9	1480	H07V-R	4D
185	2	0.0991	2.0	23.3	1900	H07V-R	4D
240	2	0.0754	2.2	26.6	2480	H07V-R	6D
300	2	0.0601	2.4	29.6	3100	H07V-R	6D
400	2	0.0470	2.6	33.2	3950	H07V-R	6D
500	2	0.0366	2.8	36.9	5000	H07V-R	6D
630	2	0.0283	2.8	41.1	6350	H07V-R	6D

† Single core yellow is not harmonised.

