



Flexible PVC Insulated Building Wire

Series: BR

Standard: AS/NZS 5000.1

Voltage: 0.6/1kV



Conductor: Plain Annealed Copper (Class 5)

Insulation: V-90 PVC UV Resistant

Colors: Red, White, Blue, Black, Green/Yellow



Core x cross-section mm ²	Conductor Diameter mm	Nominal insulation thickness mm	Approx. overall diameter mm	Approx weight kg/km	Product code
1x1.0	0.15	0.8	3.0	17	BR1C0010
1x1.5	0.15	0.8	3.3	22	BR1C0015
1x2.5	0.15	0.8	3.9	33	BR1C0025
1x4	0.15	1.0	4.8	52	BR1C0040
1x6	0.20	1.0	5.4	71	BR1C0060
1x10	0.20	1.0	6.8	118	BR1C0100
1x16	0.20	1.0	7.9	171	BR1C0160
1x25	0.20	1.2	9.6	260	BR1C0250
1x35	0.20	1.2	10.8	352	BR1C0350
1x50	0.30	1.4	12.7	498	BR1C0500
1x70	0.30	1.4	14.5	686	BR1C0700
1x95	0.30	1.6	16.6	901	BR1C0950
1x120	0.30	1.6	18.3	1133	BR1C1200
1x150	0.30	1.8	20.4	1416	BR1C1500
1x185	0.40	2.0	22.5	1720	BR1C1850
1x240	0.40	2.2	25.7	2261	BR1C2400
1x300	0.40	2.4	28.5	2807	BR1C3000
1x400	0.50	2.6	32.4	3684	BR1C4000

Core x cross-section mm ²	Min. Installed Bending Radius mm	Current Rating (A)		Electrical Characteristics Maximum DC Resistance 20°C Ω/km
		Fixed installation		
				
1x1.0	12	11	16	19.5
1x1.5	13	13	20	13.3
1x2.5	15	18	27	7.98
1x4	19	25	36	4.95
1x6	22	31	47	3.3
1x10	25	46	66	1.91
1x16	30	63	88	1.21
1x25	40	85	115	0.78
1x35	45	106	145	0.554
1x50	50	135	180	0.386
1x70	60	173	228	0.272
1x95	65	212	280	0.206
1x120	75	248	326	0.161
1x150	85	289	382	0.129
1x185	90	333	435	0.106
1x240	105	407	528	0.0801
1x300	115	474	610	0.0641
1x400	130	565	722	0.0486

formation when working temperature is 90°C and the ambient temperature is 40°C. (Contact triangle arrangement under the cross section of 10mm², the other cross section is Parallel separation arrangement.)