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Australia Pacific Electric Cables Pty Ltd
ABN 23 068 447 763

Technical Specification - Bare Copper Wire

Drawing



Copper Configuration:

Annealed Bare Copper Class 2 Standard to AS/NZS 1125

Technical Data

Product Code	CSA	No. of Wires	Wire OD	Overall Diameter (±10%)	Max. Conductor Pulling Tension	Min. Bending Radius-Fixed	Min. Bedding Radius-during installation	Conducotor Resistance @20°C	Approx Weight
	mm ²	mm	mm	mm	kN	mm	mm	Ω/km	kgs/km
BCC010	10	7	1.35	4.05	0.70	16	24	1.83	90.96
BCC016	16	7	1.70	5.10	1.12	20	31	1.15	144.24
BCC0257	25	7	2.14	6.42	1.75	26	39	0.727	228.56
BCC025	25	19	1.30	6.50	1.75	26	39	0.727	228.94
BCC035	35	19	1.53	7.65	2.45	31	46	0.524	317.11
BCC050	50	19	1.78	8.90	3.50	36	53	0.387	429.21
BCC070	70	19	2.14	10.70	4.90	43	64	0.268	620.38
BCC095	95	19	2.52	12.60	6.65	50	76	0.193	860.27
BCC120	120	37	2.03	14.21	8.40	57	85	0.153	1087.11
BCC150	150	37	2.25	15.75	10.50	63	95	0.124	1335.51
BCC185	185	37	2.52	17.64	12.95	71	106	0.0991	1675.26
BCC240	240	61	2.25	20.25	16.80	81	122	0.0754	2201.79
BCC300	300	61	2.52	22.68	21.00	91	136	0.0601	2761.92
BCC400	400	61	2.85	25.65	22.00	154	231	0.047	3532.64
BCC500	500	61	3.20	28.80	22.00	173	259	0.0366	4453.59
BCC630	630	91	3.00	33.00	22.00	198	297	0.0283	5839.34

Standard Compliance:

- AS/NZS 1125** Conductors in insulated electric cables and flexible cords
AS/NZS 1574 Copper and Copper alloys - wire for electrical purposes
AS/NZS 1660 Test methods for electric cables, cords and conductors

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