

BUILDING CABLE

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Circular TPS (BMM)

V90 PVC Insulated 450/750V

Applications

Power and Lighting circuits up to 450/750V

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS1125

Drawn from Class 102 Copper AS1574

AS/NZS1125, **Class 5 conductor**

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS3808 For 1.5 to 6mm

Coloured XLPE to AS/NZS3808 For 10-16mm

Relevant Standard: AS/NZS 5000.2, AS/NZS1125, AS/NZS1574, AS/

NZS3808 **Core Configuration:**

3 Core – 1. Black, 2. Red, 3. Green/Yellow

4 Core – 1. Red, 2.White, 3. Blue, 4. Green/Yellow

5 Core – 1. Red, 2.White, 3. Blue, 4. Black, 5. Green/Yellow



Code	No. of Cores	Nominal Area (mm ²)	Strand No. / Size	Earth Nominal Area (mm ²)	Electrical Resistance @ 20 °C (Ω/KM)	Nominal OD
BMM03/1.5	2+E	1.5	30/0.245	1.5	13.3	8.5
BMM03/2.5	2+E	2.5	48/0.250	2.5	7.98	10.0
BMM03/4	2+E	4	56/0.293	2.5	4.95	11.3
BMM03/6	2+E	6	84/0.293	2.5	3.30	12.5
BMM03/10	2+E	10	75/0.395	4	1.91	15.3
BMM03/16	2+E	16	120/0.395	6	1.21	17.3
BMM04/1.5	3+E	1.5	30/0.245	1.5	13.3	9.2
BMM04/2.5	3+E	2.5	48/0.250	2.5	7.98	10.9
BMM04/4	3+E	4	56/0.293	2.5	4.95	12.8
BMM04/6	3+E	6	84/0.293	2.5	3.30	14.2
BMM05/1.5	4+E	1.5	30/0.245	2.5	13.3	10.2
BMM05/2.5	4+E	2.5	48/0.250	2.5	7.98	12.0
BMM05/4	4+E	4	56/0.293	2.5	4.95	13.9
BMM05/6	4+E	6	84/0.293	2.5	3.30	15.3
BMM05/10	4+E	10	75/0.395	4	1.91	18.3
BMM05/16	4+E	16	120/0.395	6	1.21	20.7

Conduit Cable (BVD)

V90HT PVC Insulated 0.6/1KV

Applications

For use in Switchboards, Building and Power Cable 0.6/1KV

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS1125 Drawn from Class 102 Copper AS1574

Insulation: Coloured V90HT PVC to AS/NZS 3808

Sheath: N/A

Relevant Standard: AS/NZS 5000.1, AS/NZS1125, AS/NZS1574, AS/NZS3808

Available Colours:

- Red
- Black
- Blue
- Brown
- Green/Yellow
- Violet
- White
- Orange
- Grey



Voltage Drop
mV/Am @ Max
Operating Temp

Current Code	New Code	Nominal Area mm ²	Strand No / Size	Electrical Resistance @ 20°c (0/KM)	Nominal OD	Current Rating* AMPS	Single Phase	Three Phase
BVD1108	BUVH-0.5	0.5	1/0.8	36	2.4	5	125	N/A
BVD11113	BUVH-1	1	1/1.13	18.1	2.75	16	51.63	44.70
BVD1705	BUVH-1.5	1.5	7/0.5	13.6	3.15	21	33.03	28.60
BVD17067	BUVH-2.5	2.5	7/0.67	7.4	3.65	30	18.02	15.60
BVD17085	BUVH-4	4	7/0.85	4.6	4.6	40	11.22	9.71
BVD17104	BUVH-6	6	7/1.04	3.1	5.15	51	7.50	6.49
BVD17135	BUVH-10	10	7/1.35	1.83	6.1	69	4.45	3.86
BVD17170	BUVH-16	16	7/1.70	1.15	7.15	92	2.80	2.43

Conduit Trace (CTW)

V90HT PVC Insulated 0.6/1KV

Applications

For use as trace wire for utilities (Gas, Water, Data, Etc..)

Product Specifications

Construction:

Conductor: Class 2 Plain Annealed Copper to AS1125

Insulation: Coloured V90HT PVC to AS/NZS 3808

Sheath: N/A

Relevant Standard: AS/NZS 5000.1, AS/NZS1125, AS/NZS3808

Available Colours:

- Black
- Blue
- Yellow



Code	Nominal Area mm ²	Strand No / Size	Electrical Resistance @ 20°c (Ω/KM)	Conductor Nom OD	Nominal OD
CTW01	4	7/0.85	4.6	2.55	4.6

Non Migratory TPS (BED)

Non-Migratory 3V90 Sheath 450/750V

Applications

Can be installed in contact with polystyrene and polyurethane.
Includes Caravans, Cold rooms, transportable buildings and
in contact with polystyrene wall and roofing insulation materials.

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS1125

Drawn from Class 110A Copper AS1574

Insulation: Coloured V90HT PVC to AS/NZS 3808

Sheath: Coloured Non Migratory 3V90 to AS/NZS3808

Relevant Standard: AS/NZS 5000.2

Core Colours:

1. Black, 2. Red, 3. Green/Yellow or 1. Red, 2. White, 3. Blue



Current Code	New Code	No. of Cores	Nominal Area (mm ²)	Strand No. / Size	Earth Nominal Area (mm ²)	Electrical Resistance @ 20°c (0/KM)	Nominal OD
BED3G05	CVTP-1.5	3	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BED3705	CVTE-1.5	2+E	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BED37067	CVTE-2.5	2+E	2.5	7/0.67	2.5	7.4	5.5 x 12.2
BED37085	CVTE-4	2+E	4	7/0.85	2.5	4.61	6.4 x 14.8
BED37104	CVTE-6	2+E	6	7/1.04	2.5	3.08	7.0 x 15.3

Nominal Area (mm ²)	Current Rating			Electrical Characteristics	
	Unenclosed in Air	Completely Surrounded by Thermal Insulation	Unenclosed Partially Surrounded by Insulation	Voltage Drop Single Phase mV/Am at 75° C Laid Flat	Voltage Drop Three Phase mV/Am @ 75° C Laid Flat
1.5	18	9	14	33.03	28.6
2.5	26	13	19	18.02	15.6
4	35	17	26	10.59	9.71
6	46	22	34	7.50	6.49

LSZH Flat TPS (BELS, BWLS)

HFI-90-TP Insulated 450/750V

Applications

Power and Lighting circuits up to 450/750V

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS1125

Drawn from Class 102 Copper AS1574

Insulation: Coloured HFI-90-TP to AS/NZS 3808

Sheath: Coloured HFS-90-TP to AS/NZS3808

Relevant Standard: AS/NZS 5000.2, AS/NZS1125, AS/NZS1574, AS/NZS3808

Core Configuration:

2 Core – 1. Black, 2. Red

2 Core + Earth – 1. Black, 2. Red, 3. Green/Yellow



Current Code	New Code	No. of Cores	Nominal Area (mm ²)	Strand No. / Size	Earth Nominal Area (mm ²)	Electrical Resistance @ 20° c (0/KM)	Nominal OD
BWLS2705	BWLS02/1.5	2	1.5	7/0.5	N/A	13.8	4.5 x 7.2
BELS3705	BELS03/1.5	2+E	1.5	7/0.5	1.5	13.6	4.7 x 10.4
BELS37067	BELS03/2.5	2+E	2.5	7/0.67	2.5	7.41	5.6 x 12.7
BELS37085	BELS03/4	2+E	4	7/0.85	2.5	4.61	6.6 x 14.5
BELS37104	BELS03/6	2+E	6	7/1.04	1.5	3.08	7.2 x 15.8

Flat TPS (BEM)

V90 PVC insulated 450/750V

Applications

Power and Lighting circuits up to 450/750V

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS1125

Drawn from Class 2 Copper AS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 3V90 PVC to AS/NZS3808

Relevant Standard: AS/NZS 5000.2, AS/NZS1125, AS/NZS1574, AS/NZS3808 and TUV Certified.

Core Configuration:

2 Core: 1. Black, 2. Red

2 Core + Earth: 1. Black, 2. Red, 3. Green/Yellow



Current Code	New Code	No. of Cores	Nominal Area (mm ²)	Strand No. / Size	Earth Nominal Area (mm ²)	Electrical Resistance @ 20° c (Ω/KM)	Nominal OD
BEM21113*	BUTW-1	2	1	1/1.13	N/A	18.1	6.5 x 4.15
BEM2705*	BUTW-1.5	2	1.5	7/0.50	N/A	13.6	4.6 x 7.3
BEM27067*	BUTW-2.5	2	2.5	7/0.67	N/A	7.4	5.5 x 8.8
BEM27085*	BUTW-4	2	4	7/0.85	N/A	4.61	10.5 x 6.3
BEM27104*	BUTW-6	2	6	7/1.04	N/A	3.08	11.6 x 6.9
BEM27135*	BUTW-10	2	10	7/1.35	N/A	1.83	14.2 x 8.3
BEM27170*	BUTW-16	2	16	7/1.70	N/A	1.15	16.3 x 9.5
BEM31113	BUTE-1	2+E	1	1/1.13	1	18.1	8.85 x 4.15
BEM3705	BUTE-1.5	2+E	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BEM37067	BUTE-2.5	2+E	2.5	7/0.67	2.5	7.4	5.5 x 12.2
BEM37085	BUTE-4	2+E	4	7/0.85	2.5	4.61	6.3 x 13.9
BEM37104	BUTE-6	2+E	6	7/1.04	2.5	3.08	6.9 x 15
BEM37135	BUTE-10	2+E	10	7/1.35	4	1.83	8.6 X 18.8
BEM37170	BUTE-16	2+E	16	7/1.70	6	1.15	9.8 X 21.6

* These items are available ex Australia

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