

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

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS3808

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
BMM3705	2+E	1.5	7/0.5	1.5	13.6	8.3
BMM37067	2+E	2.5	7/0.67	2.5	7.41	10.0
BMM37085	2+E	4	7/0.85	2.5	4.61	11.1
BMM37104	2+E	6	7/1.04	2.5	3.08	12.3
BMM4705	3+E	1.5	7/0.5	1.5	13.6	9.0
BMM47067	3+E	2.5	7/0.67	2.5	7.41	10.8
BMM47085	3+E	4	7/0.85	2.5	4.61	12.8
BMM47104	3+E	6	7/1.04	2.5	3.08	14.2
BMM5705	4+E	1.5	7/0.5	2.5	13.6	10.0
BMM57067	4+E	2.5	7/0.67	2.5	7.41	12.0
BMM57085	4+E	4	7/0.85	2.5	4.61	12.0
BMM57104	4+E	6	7/1.04	2.5	3.08	15.1

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



Voltage Drop
mV/Am @ Max
Operating Temp

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

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



Code	No. of Cores	Nominal Area (mm ²)	Strand No. / Size	Earth Nominal Area (mm ²)	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
BED3G05	3	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BED3705	2+E	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BED37067	2+E	2.5	7/0.67	2.5	7.4	5.5 x 12.2
BED37085	2+E	4	7/0.85	2.5	4.61	6.4 x 14.8
BED37104	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



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



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	2	1	1/1.13	N/A	18.1	6.5 x 4.15
BEM2705	2	1.5	7/0.50	N/A	13.6	4.6 x 7.3
BEM27067	2	2.5	7/0.67	N/A	7.4	5.5 x 8.8
BEM27085	2	4	7/0.85	N/A	4.61	10.5 x 6.3
BEM27104	2	6	7/1.04	N/A	3.08	11.6 x 6.9
BEM27135	2	10	7/1.35	N/A	1.83	14.2 x 8.3
BEM27170	2	16	7/1.70	N/A	1.15	16.3 x 9.5
BEM31113	2+E	1	1/1.13	1	18.1	8.85 x 4.15
BEM3705	2+E	1.5	7/0.5	1.5	13.6	4.6 x 9.9
BEM37067	2+E	2.5	7/0.67	2.5	7.4	5.5 x 12.2
BEM37085	2+E	4	7/0.85	2.5	4.61	6.3 x 13.9
BEM37104	2+E	6	7/1.04	2.5	3.08	6.9 x 15
BEM37135	2+E	10	7/1.35	4	1.83	8.3 x 18.3