

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

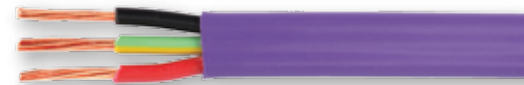
Insulation: Coloured V90HT PVC to AS/NZS 3808

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