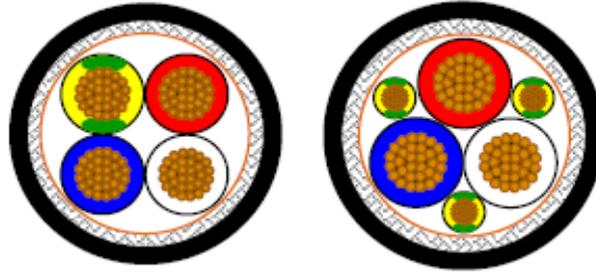


810004000	<b>PRODUCT DATA SHEET</b>	
Valid from: 20.NOV.2025	<b>VSD Cu/PVC/SCN/PVC 0.6/1KV</b>	

<https://lappapac.lappgroup.com>



\*Illustrations are not to scale and do not represent detailed images of the respective products.

## 1. Reference Standard(s)

AS/NZS 5000.1

## 2. Cable Construction

- 2.1. Conductor : Bare copper wire according to IEC 60228 Class 5
- 2.2. Insulation : V-90 according to AS/NZS 3808
- 2.3. Core Colour : 4 Core – RD/WH/BU/GNYE  
3+3 Core – RD/WH/BU + 3 GNYE
- 2.4. Laying up : 4-core design – 4 conductors twisted together in one layer  
3+3 core design – cores twisted concentrically, protective conductor divided into three positioned in the gusset
- 2.5. Screen : 1 layer of aluminium foil, min. 25% overlapping  
Tinned copper wire braiding, min. coverage 80%
- 2.6. Outer Sheath : 5V-90-UV compound acc. to AS/NZS 3808
- 2.7. Sheath Colour : Black, RAL 9005

## 3. Technical Data

- 3.1. Rated Voltage : 600/1000V
- 3.2. Test Voltage : AC 3500V/5min
- 3.3. Temperature Range : -15°C to +90°C
- 3.4. Min. Insulation Resistance : 10 M $\Omega$  • km @ 20°C
- 3.5. Min. Bending Radius : 15 X Cable Diameter (Occasional Flexing)  
4 X Cable Diameter (Fixed Installation)
- 3.6. Flame Retardant : IEC 60332-1-2

## 4. Dimensional Data

Part No.	No. of core(s) and conductor cross-section mm <sup>2</sup>	Nominal Insulation thickness	Diameter of Tinned copper wire	Nominal Sheath thickness	Outer Diameter	Conductor resistance at 20°C
		mm	mm	mm	mm $\pm$ 10%	$\Omega$ /KM
810004000	4G1.5	0.8	0.2	1.8	12.4	13.3
		0.8				13.3
810004002	4G2.5	0.8	0.2	1.8	13.5	7.98
		0.8				7.98
810004003	4G4	1	0.2	1.8	15.8	4.95
		1				4.95
810004004	3X6 +3G1.5	1	0.2	1.8	17.3	3.3
		0.8				13.3
810004005	3X10 +3G1.5	1	0.25	1.8	18.9	1.91
		0.8				13.3

Elaborated by: LIZH5 / SVM	Document: SDB_810004000_EN Version: 02	Page 1 of 2
----------------------------	---	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.: INQ10344

810004000	<b>PRODUCT DATA SHEET</b>	
Valid from: 20.NOV.2025	<b>VSD Cu/PVC/SCN/PVC 0.6/1KV</b>	

<https://lappapac.lappgroup.com>

Part No.	No. of core(s) and conductor cross-section mm <sup>2</sup>	Nominal Insulation thickness	Diameter of Tinned copper wire mm	Nominal Sheath thickness mm	Outer Diameter mm ± 10%	Conductor resistance at 20°C
		mm				Ω/KM
810004006	3X16 +3G2.5	1	0.25	1.8	21.2	1.21
		0.8				7.98
810004007	3X25 +3G4	1.2	0.25	1.8	25.2	0.78
		1				4.95
810004008	3X35 +3G6	1.2	0.3	1.8	28.0	0.554
		1				3.3
810004009	3X50 +3G10	1.4	0.3	1.9	33.0	0.386
		1				1.91
810004010	3X70 +3G10	1.4	0.3	2	36.5	0.272
		1				1.91
810004011	3X95 +3G16	1.6	0.3	2.1	41.3	0.206
		1				1.21
810004012	3X120 +3G16	1.6	0.3	2.2	45.3	0.161
		1				1.21
810004013	3X150 +3G25	1.8	0.4	2.4	50.7	0.129
		1.2				0.78
810004014	3X185 +3G35	2	0.4	2.5	55.5	0.106
		1.2				0.554
810004015	3X240 +3G50	2.2	0.4	2.7	63.0	0.0801
		1.4				0.386
810004016	3X300 +3G50	2.4	0.4	2.9	69.3	0.0641
		1.4				0.386

Elaborated by: LIZH5 / SVM	Document: SDB_810004000_EN Version: 02	Page 2 of 2
----------------------------	---	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.  
ref.: INQ10344