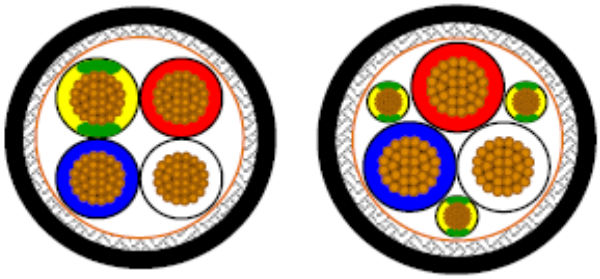
810004000	PRODUCT DATA SHEET	LAPP
Valid from: 20.NOV.2025	VSD Cu/PVC/SCN/PVC 0.6/1KV	

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	:	-15^0C to $+90^0$C
3.4. Min.Insulation Resistance	:	10 MΩ • km @ 20℃
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^2	Nominal Insulation thickness mm	Diameter of Tinned copper wire mm	Nominal Sheath thickness mm	Outer Diameter mm ± 10%	Conductor resistance at 20℃ Ω/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

ref.: INQ10344

Part No.	No. of core(s) and conductor cross-section mm²	Nominal Insulation thickness mm	Diameter of Tinned copper wire mm	Nominal Sheath thickness mm	Outer Diameter mm ± 10%	Conductor resistance at 20℃ 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