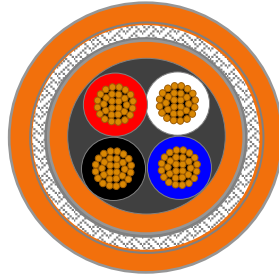


3801534	<b>PRODUCT DATA SHEET</b>	
Valid from: 22.APR.2025	<b>INFRAFLEX</b>	

<https://lappapac.lappgroup.com>



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

## 1. Reference Standard(s)

1.1. AS/NZS 5000.1

## 2. Cable Construction

- 2.1. Conductor : Circular strands of plain annealed copper acc. to AS/NZS 1125, Class 5
- 2.2. Core Insulation : Extruded PVC compound V-90 acc. to AS/NZS 3808  
Requirements for the insulation thickness shall comply with AS/NZS 5000.1
- 2.3. Core Colour : Red, White, Blue, Black  
In acc. to AS/NZS 5000.1
- 2.4. Assembly of Cores : Lay-up of cores, shall be laid up in helical 'SZ' configuration. Fillers maybe used to achieve a round cable.
- 2.5. Inner Sheath : PVC compound 5V-90 acc. to AS/NZS 3808, Orange RAL 2003
- 2.6. Screen : Tinned copper wire braiding (TCWB), min. 80% coverage
- 2.7. Outer Sheath : PVC compound 5V-90 acc. to AS/NZS 3808 with UV resistant

## 3. Technical Data

- 3.1. Rated Voltage : 600/1000 V
- 3.2. Test Voltage : 3.5 kV AC
- 3.3. Conductor Resistance: In acc. to AS/NZS 1125
- 3.4. Insulation resistance : In acc. to AS/NZS 3808
- 3.5. Min. Bending Radius : 10 x cable diameter
- 3.6. Temperature Range : -20°C up to +90°C
- 3.7. Flame Retardant : In acc. to AS/NZS 1660.5.6, IEC 60332-1-2
- 3.8. UV Resistant : In acc. to ISO 4892-2
- 3.9. EC Directive : 2011/65/EU (RoHS)

## 4. Dimensional Data

Part No.	No. of core(s) and conductor cross-section mm <sup>2</sup>	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Min. TCWB Coverage %	Nominal Sheath Thickness mm	Cable OD Tol. ±10% mm	Approx. Cable Wt. kg/km
3801534	4x6	1.0	1.2	80	1.8	19.4	617.1
3801536	4x16	1.0	1.3	80	1.8	24.7	1096.4
3800396	4x25	1.2	1.4	80	1.9	29.3	1605

## 5. Marking

**LAPP INFRAFLEX Cu/V-90/5V-90/TCWB/5V-90 0.6/1kV D ELECTRIC CABLE (Lapp Traceability)**

Elaborated by: LIZH5 / SVM	Document: SDB_3801534_EN Version: 11	Page 1 of 1
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ref.: INQ 2343 (-INQ 1985) / ECS / 190069 / INQ 6950 / INQ 7044