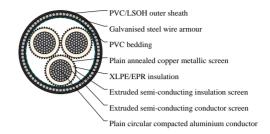


# Caledonian

Industrial Cables (Australian Standard Medium Voltage) www.caledonian-cables.com marketing@caledonian-cables.com

#### 6.35/11kV Three Core Individual Screened & PVC/SWA/PVC Sheathed(Al Conductor) 3C240





#### **APPLICATIONS**

These cables are designed to be used for the supply of electrical energy in fixed applications up to the rated voltages at a nominal power frequency between 49Hz and 61Hz., they are suitable for use in distribution installation, electrical power station, they are applied for installation, outdoors, underground where subject to mechanical damage.

#### STANDARDS

AS/NZS 1429.1

#### VOLTAGE RATING

6.35/11kV

#### CABLE CONSTRUCTION

CONDUCTOR: Plain circular compacted aluminium to AS/NZS1125 Maximum Continuous Operating Temperature: 90°C CONDUCTOR SCREEN: Extruded semi-conducting compound, bonded to the insulation and applied in the same operation as the insulation INSULATION: Cross Linked Polyethylene (XLPE) – standard Ethylene Propylene Rubber (EPR) – alternative INSULATION SCREEN: Extruded semi-conducting compound METALLIC SCREEN: Plain annealed copper wire: 10kA for nominal 1 second(HEAVY DUTY) BEDDING: PVC ARMOURING: Galvanised steel wires SHEATH: Black 5V-90 polyvinyl chloride (PVC) – standard Orange 5V-90 PVC inner plus black high density polyethylene (HDPE) outer – alternative Low smoke zero halogen (LSOH) – alternative

### **TECHNICAL CHARACTERISTICS**

NonMax.Conduc Cond. InductivensulatioConducto Max. ChargindDielectric Screen Armour Zero Zero AC reactand Resistanc Cross-DC diaelectric current DC DC to loss sequence seq. SectiorResistanResistanc @50Hz @20°C screen stress per per resistancesistance react. @50Hz phrase at 20°C at 20°C at 20°C Area @20°C capacitand phase at 50Hz and 90°C



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mm²	Ohm/ km	Ohm/ km	Ohm/M km	egOhm.k	μF × km	kV × mm	A × km	W × km	Ohm/ km	Ohm/ km	Ohm/ km	Ohm/ km
240	0.125	0.161	0.0933	5400	0.445	2.14	0.887	22.5	0.266	0.297	0.546	0.0461

## DIMENSION AND PARAMETERS

	Diameter	Insulation	Diameter	Dia.	Area on	Diamter	Armour		Diameter		Approx. Weight
sectional		Thickness		over	Each	of	Wire	Armour	_	Diameter	
Area			Insulation	Bedding	core	Screened Wires	Diameter		Screened Wires		
						vvires			viles		
mm²	mm	mm	mm	mm	mm²	no x mm	mm	mm	mm	mm	kg/km
240	18	3.4	25.9	67.4	68.1	40x0.85	3.15	73.7	29.2	81	990