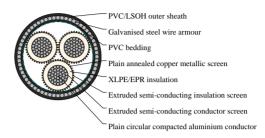


Caledonian

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) 3C150





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

NonMa	x.Conduc	Cond.	Inductive	nsulatio	Conducto	Max.	Charging	Dielectric	Screen	Armour	Zero	Zero
Cross-	DC	AC i	reactande	Resistanc	to (diaelectri	current	loss	DC	DC :	sequence	seq.
SectionF	Resistan	esistand	@50Hz	@20°C	screen	stress	per	per r	esistana	esistana	esistance	react.
Area	@20°C	@50Hz		Ca	apacitano		phase	phrase	at 20°C	at 20°C	at 20°C	at
		and										50Hz
		90°C										



Caledonian

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

mm²	Ohm/ km	Ohm/ km	Ohm/M km	egOhm.k	μF × km		A × km	W × km		Ohm/ km		Ohm/ km
150	0.206	0.265	0.0996	6600	0.368	2.22	0.734	18.6	0.265	0.431	0.699	0.052

DIMENSION AND PARAMETERS

	Conducto							Diameter			Approx.
Cross- sectional	Diameter	Thickness		Dia. over	Each	Diamter of	Wire	under Armour	Diameter Over	Diameter	Weight
Area				Bedding		Screened			Screened		
						Wires			Wires		
mm²	mm	mm	mm	mm	mm²	no x mm	mm	mm	mm	mm	kg/km
150	14.2	3.4	22.1	59	68.1	40x0.85	2.5	64	25.4	70.7	730