HENGTONG GROUP	TECHNICAL DATA SHEET HENGTONG CABLE AUSTRALIA	Doc No.: GD/TC/4120001-2022
		Rev:
	0.6/1kV EQL	Date: 4/25/2023
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1. Design guidelines.

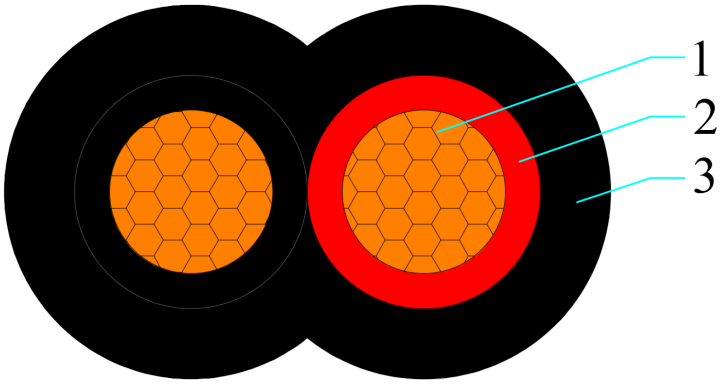
AS/NZS 5000.1	Electric cables-Polymeric insulation Part 1: For working voltages up to and including 0.6/(1.2)1kV
AS/NZS 1125	Conductors in insulated electric cables and flexible cords
AS/NZS 3808	Insulating and sheathing materials for electric cables

2. Application.

Normal use operating temperature	90℃
Max. conductor temperature during short circuit(5s)	250℃
Lowest recommended temperature during installation	0℃

3. Construction.

HCA - 4mm² x 2 core Cu/XLPE/PVC Flat 1kV - HCA7127EQL



1	Conductor	Class 2, plain annealed circular stranded Copper conductor
2	Insulation	X-90
3	Outer sheath	5V-90 Black

4. Core identification and mark as listed below, or as purchase order.

Identification of core: Red, Black
Marking on cable: by printing in one line on the surface of outer sheath
HENGTONG CABLE AUSTRALIA “YEAR” ELECTRIC CABLE ENERGEX 357 0.6/1kV 4mm² 2 core Cu XLPE PVC Flat XXXXm

5. Construction parameters.

Description	Unit	Values
Active Conductor		
Material	-	Copper
Nominal cross-sectional area	mm^2	4
Conductor shape	/	Circular Stranded
Approx. diameter of active conductor	mm	2.5
Active Insulation		
Material	-	X-90
Nominal thickness/Min. thickness at any point	mm	0.7/0.53
Approx. diameter over insulation	mm	4.1
Oversheath		
Material	-	5V-90
Nominal thickness/Min. thickness at any point	mm	1.8/1.43
Approx. diameter of oversheath	mm	7.7x11.8
Max. diameter of cable	mm	9.7x13.8
Approx. mass of cable	kg/km	153
Electrical data		
Max. D.C. resistance of active conductor at 20℃	Ω/km	4.61
Max. A.C. resistance of conductor at 90℃	Ω/km	5.88
Fault current carrying capacity of conductor	kA/1sec	0.6
Mechanical data		
Maximum pulling tension of conductor	kN	0.54
Min. bending radius during installation	mm	46
Min. bending radius after installed	mm	31