HENGTONG GROUP	TECHNICAL DATA SHEET HENGTONG CABLE AUSTRALIA	Doc No.: GD/TC/4120001-2022
		Rev: 0
	0.6/1(1.2) kV EQL	Date: 1/4/2022
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1. Design guidelines.

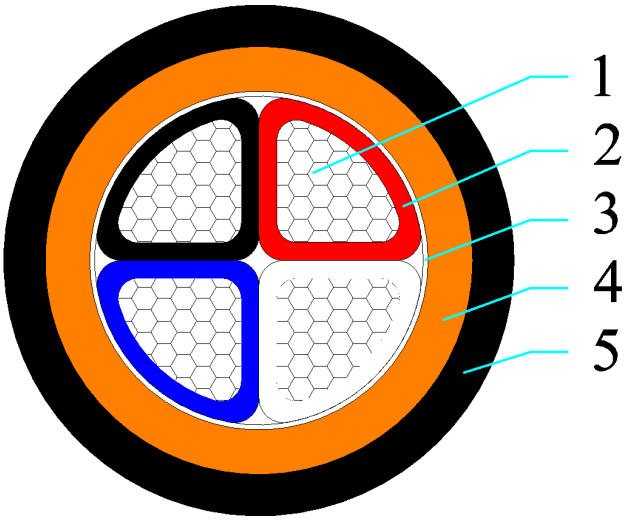
AS/NZS 5000.1	Electric cables-Polymeric insulated Part 1: For working voltages up to and including 0.6/1kV(1.2)kV
AS/NZS 1125	Conductors in insulated electric cables and flexible cords
AS/NZS 3808	Insulating and sheathing materials for electric cables

2. Application.

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

3. Construction.

HCA - 240mm2 x 4 Core Al(S)/XLPE/PVC/HDPE 1kV - HCA23958EQL



1	Conductor	Class 2, sector compacted Aluminium conductor
2	Insulation	X-90
3	Binder tape	Non-hygroscopic material
4	Inner sheath	5V-90/Orange
5	Outer sheath	HDPE/Black

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

Identification of core: Black, Red, White, Blue
Marking on cable: by printing in one line on the surface of outer sheath
HENGTONG CABLE AUSTRALIA “YEAR” ELECTRIC CABLE ENERGEX 3 0.6/1kV 240mm² x 4 Core Al XLPE PVC HDPE XXXXm

5. Construction parameters.

Description	Unit	Values
Active Conductor		
Material	-	Aluminium
Nominal cross-sectional area	mm^2	240
Conductor shape	/	Sector Compacted
Approx. diameter of active conductor	mm	17.4
Active Insulation		
Material	-	X-90
Nominal thickness/Min. thickness at any point	mm	1.7/1.43
Approx. diameter over insulation	mm	21.0
Laying up of cores		
Direction of lay		Right
Diameter of laid up core	mm	51.4
Inner sheath		
Material		5V-90
Nominal thickness/Min. thickness at any point	mm	1.4/0.92
Approx. diameter of Inner sheath		55.3
Outer sheath		
Material	-	HDPE
Nominal thickness/Min. thickness at any point	mm	1.4/0.92
Approx. diameter of outer sheath	mm	59.3
Max. diameter of cable	mm	62.2
Approx. mass of cable	kg/km	3,908
Electrical data		
Max. D.C. resistance of active conductor at 20℃	Ω/km	0.125
Max. A.C. resistance of conductor at 90℃	Ω/km	0.162
Fault current carrying capacity of conductor	kA/1sec	22.68
Mechanical data		
Maximum pulling tension of conductor	kN	37.44
Min. bending radius during installation	mm	1660
Min. bending radius after installed	mm	1110