HENGTONG GROUP	TECHNICAL DATA SHEET HENGTONG CABLE AUSTRALIA	Doc No.: GD/TC/412001-2023
		Rev: 1
	1.9/3.3(3.6)kV PWC	Date: 4/4/2023
		Page: 1of 2

1. Design guidelines.

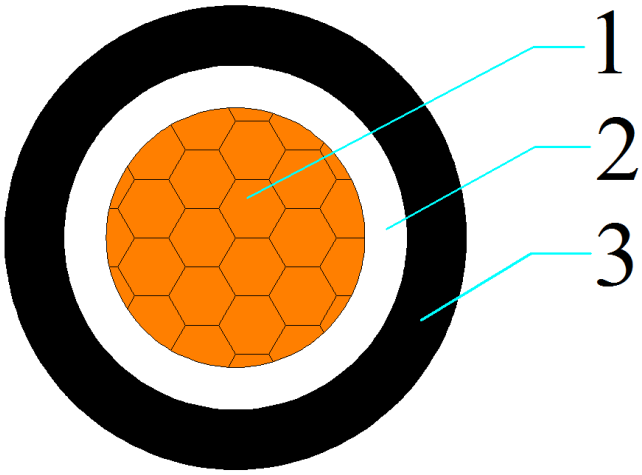
AS/NZS 5000.1	Electric cables-Polymeric insulated Part 1: For working voltages up to and including 0.6/1kV(1.2)kV
AS/NZS 1429.1	Electric cables-Polymeric insulated Part 1: For working voltages 1.9/3.3(3.6) kV up to and including 19/33(36) kV （Insulation thickness only）
AS/NZS 1125	Conductors in insulated 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 - 150mm² x 1 core T-Cu(F)/R-EP-90/GP-85-PCP Flexible - HCA300368PWC



1	Conductor	Class 5, tinned annealed circular stranded Copper conductor
2	Insulation	R-EP-90
3	Oversheath	GP-85-PCP Black

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

Identification of core: Natural
Marking on cable: by printing in one line on the surface of outer sheath
HENGTONG CABLE AUSTRALIA “YEAR” ELECTRIC CABLE 1.9/3.3kV 150mm² x 1 core T-Cu(F) R-EP-90 GP-85-PCP Flexible XXXXm

5. Construction parameters.

Description	Unit	Values
Conductor		
Material	-	Copper
Nominal cross-sectional area	mm^2	150
Conductor shape	/	Circular Stranded
Approx. diameter of active conductor	mm	18.9
Insulation		
Material	-	R-EP-90
Nominal thickness/Min. thickness at any point	mm	2.4/2.06
Approx. diameter over insulation	mm	24.5
Oversheath		
Material	-	GP-85-PCP
Nominal thickness/Min. thickness at any point	mm	2.0/1.60
Approx. diameter of oversheath	mm	28.5
Max. diameter of cable	mm	30.5
Approx. mass of cable	kg/km	1,777
Electrical data		
Max. D.C. resistance of conductor at 20℃	Ω/km	0.132
Max. A.C. resistance of conductor at 90℃	Ω/km	0.170
Fault current carrying capacity of conductor	kA/1sec	21.46
Mechanical data		
Maximum pulling tension of conductor	kN	10.2
Min. bending radius during installation	mm	270
Min. bending radius after installed	mm	180