HENGTONG GROUP	TECHNICAL DATA SHEET HENGTONG CABLE AUSTRALIA	Doc No.: S17101101
		Rev: 2
	450/750V QMR	Date: 4/25/2023
		Page: 1 of 2

1. Design guidelines.

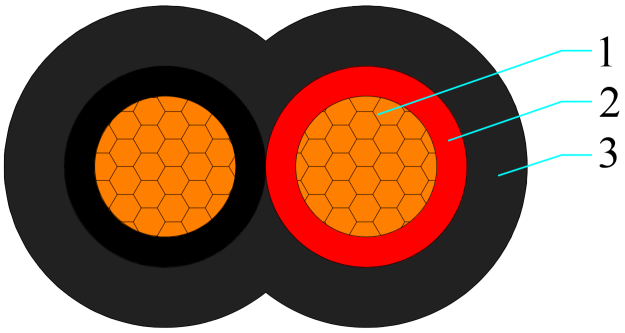
AS/NZS 5000.2	Electric cables-Polymeric insulated Part 1: For working voltages up to and including 450/750V
AS/NZS 1125	Conductors in insulated electric cables and flexible cords
AS/NZS 3808	Insulating and sheathing materials for electric cables

2. Application.

Normal use operating temperature	75℃
Max. conductor temperature during short circuit(5s)	160℃
Lowest recommended temperature during installation	0℃

3. Construction.

HCA - 4mm² x 2 core Cu/PVC/PVC(Black)(Flat) 750V - HCA-QMR4x2CuPP-B-F-750



1	Conductor	Class 2, plain annealed circular stranded Copper conductor
2	Insulation	V-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 450/750V HPC-N 4mm² 2 core Cu PVC PVC XXXXm

5. Construction parameters.

Description	Unit	Values
Conductor		
Cross sectional area	mm^2	4
Shaped	/	Circular stranded
Approx. diameter of conductor	mm	2.49
Insulation		
Nominal thickness/Min. thickness at any point	mm	0.8/0.62
Approx. diameter over insulation	mm	4.3
Outer sheath (PVC)		
Nominal thickness/Min. thickness at any point	mm	1.1/0.84
Approx. diameter over PVC sheath	mm	6.5x10.8
Max. diameter of cable	mm	9.5x13.8
Approx. mass of cable	kg/km	137
Min. bending radius during installation	mm	39
Min. bending radius after installed	mm	26
Max. D.C. resistance of conductor at 20℃	Ω/km	4.61
Fault current carrying capacity of conductor for 1 second	kA	0.48
Maximum pulling tension of conductor	kN	0.54