

1. Design guidelines.

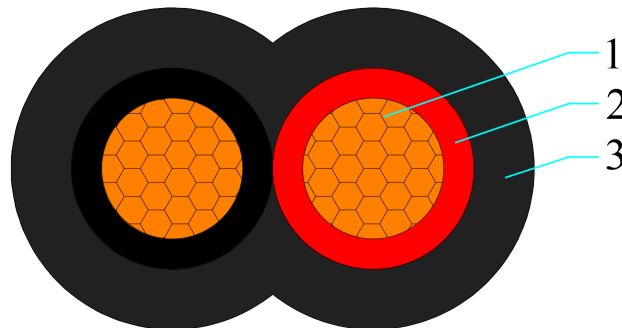
AS/NZS 5000.2	Electric cables-Polymeric insulated Part 1: For working voltages up to and including 450/750V
AS/NZS 1125	Conductors in insulated electric cables and flexible cords
AS/NZS 3808	Insulating and sheathing materials for electric cables

2. Application.

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

3. Construction.

HCA - 2.5mm² x 2 core Cu/PVC/PVC(Black)(Flat) 750V - HCA-QMR2.5x2CuPP-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
2.5mm ² 2 core Cu PVC PVC XXXXm



**TECHNICAL DATA SHEET
HENG TONG CABLE AUSTRALIA**

450/750V QMR

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5. Construction parameters.

Description	Unit	Values
Conductor		
Cross sectional area	mm ²	2.5
Shaped	/	Circular stranded
Approx. diameter of conductor	mm	1.98
Insulation		
Nominal thickness/Min. thickness at any point	mm	0.7/0.53
Approx. diameter over insulation	mm	3.6
Outer sheath (PVC)		
Nominal thickness/Min. thickness at any point	mm	1.0/0.75
Approx. diameter over PVC sheath	mm	5.6x9.2
Max. diameter over PVC sheath	mm	8.6x12.2
Approx. mass of cable	kg/km	94.1
Min. bending radius during installation	mm	33
Min. bending radius after installed	mm	22
Max. D.C. resistance of conductor at 20°C	Ω/km	7.41
Fault current carrying capacity of conductor for 1 second	kA	0.31
Maximum pulling tension of conductor	kN	0.34