

TECHNICAL DATA SHEET HENGTONG CABLE AUSTRALIA

0.6/1kV QMR

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1. Design guidelines.

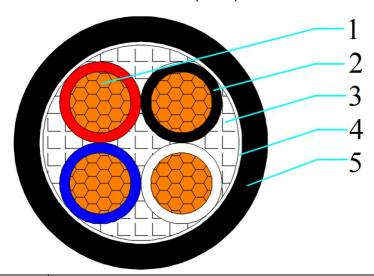
AS/NZS 5000.1	Electric cables-Polymeric insulated Part 1: For working voltages up to and including
A3/NZ3 3000.1	0.6/1kV(1.2)kV
AS/NZS 1125	Conductors in insulated electric cables and flexible cords
AS/NZS 3808	Insulating and sheathing materials for electric cables

2. Application.

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

3. Construction.

HCA - 2.5mm² x 4 core Cu/XLPE/PVC(Black) 1kV - HCA-QMR2.5x4CuXP-B-1



1	Conductor	Class 2, plain annealed circular stranded Copper conductor
2	Insulation	X-90
3	Filler	Non-hygroscopic material
4	Binder tape	Non-hygroscopic material
5	Over sheath	5V-90 Black

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

Identification of core: Red, White, Blue, Black
Marking on cable: by printing in one line on the surface of outer sheath
HENGTONG CABLE AUSTRALIA "YEAR" ELECTRIC CABLE 0.6/1kV HPC-N
2.5mm² x 4 Core Cu XLPE PVC XXXXm



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5. Construction parameters.

Approx. diameter of active conductor Intive Insulation Material Nominal thickness/Min. thickness at any point Approx. diameter over insulation ying up of cores Direction of lay Diameter of laid up core Interested the state of active conductor at 20°C Max. A.C. resistance of conductor at 90°C Fault current carrying capacity of conductor Intive Insulation Interested the state of active conductor Interested the state of active conductor at 20°C Interested the	- nm² / mm	Copper 2.5 Circular Stranded 2.0
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Max. D.C. resistance of active conductor at 20° C Max. A.C. resistance of conductor at 90° C Fault current carrying capacity of conductor kA	g/km	222
Max. A.C. resistance of conductor at 90°C Ω Fault current carrying capacity of conductor kA		
Fault current carrying capacity of conductor kA	/km	7.41
, , ,	/km	9.449
	/1sec	0.41
echanical data		
Maximum pulling tension of conductor		0.68
Min. bending radius during installation	kN	90
Min. bending radius after installed	kN mm	