# **PVC Neutral Screened Cables single core and** two cores

**CU NSCRN 2X 4 3.2** 

Contact

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Cu conductors, PVC insulation, Cu wire neutral screen, Black PVC sheath. 0.6/1 kV.

Made to AS/NZS 4961.

## **DESCRIPTION**

#### **Application**

Industrial, commercial and domestic applications

For use in various situations to supply the main power from the point of supply to buildings, equipment, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



**STANDARDS** 

National AS/NZS 4961



Conductor flexibility



Rated Voltage Uo/U (Um) 0.6/ 1 (1.2) kV



Cable flexibility Rigid



Max.conductor temp.in service 75 °C







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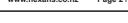
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## **CHARACTERISTICS**

Construction characteristics	
Pilot wires	None
Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Screen	Copper wire
Outer sheath	PVC
Colour	Black
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	White, Red
With Green/Yellow core	No
With smaller neutral conductor	No
Dimensional characteristics	
Number of cores	2
Conductor cross-section	4 mm²
Nominal overall diameter	- mm
Nominal overall diameter	12.5 x 17.1
Gland Size (A2 or A2F)	20
Gland Size (CX/Z)	20
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.35 kg/m
Neutral conductor section (when smaller)	- mm²
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	4.61 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	75 °C







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## **CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - TWO CORE PVC NEUTRAL**

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm²]	⊗ Cu	© Cu	© Cu	Cu	© Cu	Cu	
4	35	33	29	36	36	17	
Air Spaced from Surface, Unenclosed	Air touching, unenclosed		Air enclosed				
Buried direct	Bu	ried in single-wa	ay duct	Cable insula	surrounded by tion, unenclosed	thermal I	

## **INSULATION COLOURS**

No. Cores	Insulation Colour			
1	Red			
1 (plus pilot)	Red, Orange Pilot			
2	Red, White			
2 (plus pilot)	Red, White, Orange Pilot			

