



Cu conductors, XLPE insulation, Laid up, Cu wire neutral screen, Black PVC sheath. 0.6/1 kV. Made to AS/NZS 4961.

STANDARDS

Product AS/NZS 4961

Application

- Industrial, commercial and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment, shed, e.g. switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc
- Cable can be buried direct in NZ (3.2 mm sheath).

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Conductor flexibility
Class 2



Rated Voltage U₀/U (Um)
0.6/ 1 (1.2) kV



Cable flexibility
Rigid



Max. conductor temp.in service
90 °C



U.V resistance
Yes

CHARACTERISTICS

Construction characteristics

Pilot wires	None
Conductor material	Copper
Insulation	XLPE
Screen	Copper wire
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red, White, Blue, Black
Sheath colour	Black
Type of conductor	Circular, stranded
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	4
Conductor cross-section	16 mm ²
Nominal overall diameter	24.7 mm
Approximate weight	1.13 kg/m
Gland Size (A2 or A2F)	32
Gland Size (CX/Z)	25
Neutral conductor section (when smaller)	- mm ²
Nominal outer sheath thickness	- mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV

Mechanical characteristics













Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
U.V resistance	Yes

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CONDUCTOR XLPE NEUTRAL

Copper conductor Shaped stranded except 25 mm² which is compact stranded for XLPE Neutral Screen, three core Circular stranded for Three core plus pilot Shaped stranded except 16 mm² circular stranded and 25 mm² Compact stranded for four core Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
16	97	91	75	118	87	45
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed		 Cable surrounded by thermal insulation, unenclosed		
 Buried direct	 Buried in single-way duct					