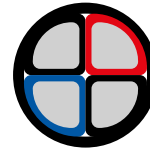
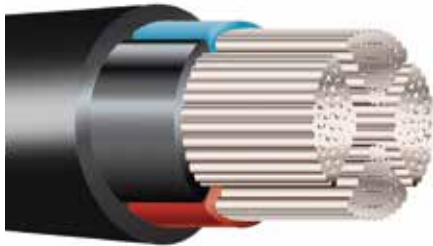
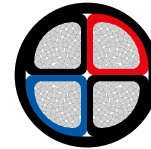


UNDERGROUND RESIDENTIAL DISTRIBUTION (URD) 4C AL SECTORIAL (Solid or Stranded)
0.6/1 (1.2) kV LOW VOLTAGE CABLE, XLPE INSULATED, 5V90 PVC SHEATH


Solid



Stranded

Application

Underground residential distribution (URD) cable is typically installed up to the point of supply to residential dwellings.

Standard

AS/NZS 4026 Section 4

Approvals

Approved by all power Utilities and Commercial customers in Australia.

Behaviour in flame and fire:

PVC outer sheath exceeds the requirements of IEC 60332-1.

Temperature range

Minimum installation temperature: 0 °C
 Maximum operating temperature: +90 °C
 Minimum operating temperature: -25 °C

Minimum bending radius

Installed cables: 8D
 During installation: 12D

Flexibility

Semi-rigid

Resistance to

Chemical exposure: Accidental

Mechanical impact: Light

Water exposure: Spray

Solar radiation and

weather exposure: Good

Cable design

Conductor:

Solid or stranded 90° sector-shape aluminium to AS/NZS 1125

Insulation:

X-90 XLPE

Colours: Red, White, Blue, Black

Lay up

Unfilled and taped

Sheath

5V-90 Black UV stabilised

Installation conditions

In duct

In trench

In ground with protection

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UNDERGROUND RESIDENTIAL DISTRIBUTION (URD) 4C AL SECTORIAL (Solid or Stranded)

Physical characteristics

Product code	Conductor		Insulation	Cable				Max pulling force
	Conductor type	Nominal area mm ²		Nominal thickness mm	Nominal diameter mm	Approx. weight kg/100 m	Minimum bending radius	
			Installation mm				Set mm	Sheath kN
1204CSOSAL	Solid	120	1.2	35.7	184	428	286	4.4
1854CSOSAL	Solid	185	1.6	44.0	280	528	352	5.5
2404CSOSAL	Solid	240	1.7	49.4	359	593	395	6.1
1204CSECAL	Stranded	120	1.2	40.8	193	490	326	4.4
1854CSECAL	Stranded	185	1.6	50.4	293	605	403	5.5
2404CSECAL	Stranded	240	1.7	56.4	376	677	451	6.1
3004CSECAL	Stranded	300	1.8	62.2	462	746	498	7.0

Conductor			Cable	Continuous current rating (a)			Voltage drop	Short circuit rating for 1 second kA
Nominal area mm ²	Resistance dc Max @ 20°	Resistance ac Max @ 90°		Direct buried A	Underground in duct A	In free air A		
120	0.253	0.325	0.325 + j0.062	265	215	256	0.573	11.3
185	0.164	0.211	0.211 + j0.062	340	280	340	0.381	17.5
240	0.125	0.162	0.162 + j0.062	395	330	405	0.300	22.7
300	0.100	0.130	0.130 + j0.062	445	375	467	0.249	28.4

(a) Based on 90°C conductor temperature, 40° C ambient temperature, and where applicable, burial depth of 0.6 m, soil temperature of 25°C and soil resistivity of 1.2°C.m/W. Refer to AS/NZS 3008.1 for other installation conditions.

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