

## UTILITIES

0.6/1KV 4C XLPE/PVC UNF BK



Underground residential distribution (URD) service cable is used as final supply to residential dwellings.

## APPLICATIONS

Power Distribution

## CABLE CONSTRUCTION

**CONDUCTOR:** Plain Annealed Circular Stranded Copper – **CLASS 2**

**INSULATION:** X-90 XLPE **CORE COLOURS:** Red, White, Blue, Black

**SHEATH:** 5V-90 **COLOUR:** Black

## STANDARDS & APPROVALS

**AS/NZS 4026.5**

**AS/NZS 1125**

**AS/NZS 3808**

**AS/NZS IEC 60332-1**

**GREEN STAR**

Cable Standard

Conductor Standard

Material Standard

Flame Propagation Standard

Best Practice PVC Green Star Approval

## CABLE CHARACTERISTICS

Eco cable	No	Low smoke	No
Rated voltage U0/U (Um)	0.6/1 (1.2) kV	Halogen free	No
Max. conductor temperature [°C]	90	Resistant to UV	Good
Flame retardant	Yes		

## RECOMMENDED INSTALLATION ENVIRONMENTS

- In Duct
- In Trench
- In Ground with Protection

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## PHYSICAL CHARACTERISTICS

Nominal cross section conductor [mm <sup>2</sup> ]	Part number	Conductor strand count	Diameter conductor [mm]	Cable nominal diameter [mm]	Maximum pulling tension conductor [N]	Maximum pulling tension stocking [N]	Cable nominal weight [kg/km]	Minimum bending radius - installed [mm]	Minimum bending radius - during Installation [mm]
16	20199340	7/1.70	5	23	4,500	2,800	850	95	140
16	20199341	7/1.70	5	23.8	4,500	2,900	900	95	145
25	20199342	19/1.35	6.4	28.1	7,000	3,400	1,300	170	255
35	20199343	19/1.53	7.5	30.2	9,800	3,600	1,650	185	275
50	20199344	19/1.78	8.8	33.7	14,000	4,000	2,100	205	305
50	20199345	19/1.78	8.8	34.3	14,000	4,100	2,200	210	310

## ELECTRICAL CHARACTERISTICS

Nominal cross section conductor [mm <sup>2</sup> ]	Part number	DC Resistance at 20°C (Maximum) [Ω/km]	AC Resistance (Maximum) at operating temperature [Ω/km]	Conductor short circuit fault rating [kA for 1 sec]	Current carrying capacity (in ground) [A]	Current carrying capacity (in air) [A]
16	20199340	1.15	1.47	2.3	110	88
16	20199341	1.15	1.47	2.3	110	88
25	20199342	0.727	0.927	3.6	143	119
35	20199343	0.524	0.669	5	172	147
50	20199344	0.387	0.494	7.2	204	180
50	20199345	0.387	0.494	7.2	204	180

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