

# MULTICORE ORANGE CIRC

450/750V 2C+E CIRC OR



For mains, submains and subcircuits unenclosed, in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage.

## APPLICATIONS

Building Installations; Residential Installations

## CABLE CONSTRUCTION

**CONDUCTOR:** Plain Annealed Copper Conductor - **CLASS 2**

**INSULATION:** V-90 PVC **CORE COLOURS:** Red, Black, Green/Yellow

**SHEATH:** 5V-90 PVC **COLOUR:** Orange

## STANDARDS & APPROVALS



**AS/NZS 5000.2**

**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	Yes	Low smoke	No
Rated voltage U0/U (Um)	450/750 V	Halogen free	No
Max. conductor temperature [°C]	75	Resistant to UV	Low
Flame retardant	Yes		

## RECOMMENDED INSTALLATION ENVIRONMENTS

- Industrial Equipment
- In Conduit
- In Trench
- In Duct
- In Free Air
- Machines
- In Ground with Protection
- External Building

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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]
1.5	20199998	7/0.50	1.5	8	200	200	150	35	50
2.5	20200002	7/0.67	2	9.8	400	400	200	40	60
4	20200013	7/0.85	2.5	10.8	600	600	250	45	65
6	20200021	7/1.04	3.1	11.8	800	800	300	50	75

## 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]
1.5	20199998	13.6	16.5	0.17	21	19
2.5	20200002	7.41	9.01	0.28	30	27
4	20200013	4.61	5.61	0.44	39	37
6	20200021	3.08	3.75	0.67	50	46

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