

MULTICORE ORANGE CIRC

450/750V 3C+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, White, Blue, 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 ²]	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	20199629	7/0.50	1.5	10.6	300	300	200	45	65
1.5	20200033	7/0.50	1.5	8.7	300	300	150	35	55
2.5	20200039	7/0.67	2	10.6	500	500	200	45	65
4	20200042	7/0.85	2.5	12	800	800	300	50	75
6	20200045	7/1.04	3.1	13.2	1,300	1,300	350	55	80

ELECTRICAL CHARACTERISTICS

Nominal cross section conductor [mm ²]	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	20199629	13.6	16.5	0.17	18	16
1.5	20200033	13.6	16.5	0.17	18	16
2.5	20200039	7.41	9.01	0.28	25	23
4	20200042	4.61	5.61	0.44	33	31
6	20200045	3.08	3.75	0.67	42	40

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