

MULTICORE ORANGE CIRC

450/750V 4C+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, Black, Green/Yellow

SHEATH: 5V-90 PVC **SHEATH 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	20200047	7/0.50	1.5	9.7	400	400	150	40	60
2.5	20200048	7/0.67	2	11.6	700	700	250	50	70
4	20200050	7/0.85	2.5	13.4	1,100	1,100	350	55	80
6	20200052	7/1.04	3.1	14.6	1,700	1,700	450	60	90

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	20200047	13.6	16.5	0.17	18	16
2.5	20200048	7.41	9.01	0.28	25	23
4	20200050	4.61	5.61	0.44	33	31
6	20200052	3.08	3.75	0.67	42	40

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