

BUILDING WIRE

0.6/1kV 1C FLEX PVC G(Y)



 prysmian

E Path

For use where improved aging properties to those of 75°C PVC are required because of higher ambient temperatures. Suitable for glanding.

APPLICATIONS

Building Installations; Residential Installations

CABLE CONSTRUCTION

CONDUCTOR: Flexible Bunched Annealed Copper Conductor - **CLASS 5**

INSULATION: V-90 PVC **COLOUR:** Green/Yellow

STANDARDS & APPROVALS

AS/NZS 5000.1

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)	0.6/1 (1.2) kV	Halogen free	No
Max. conductor temperature [°C]	75	Resistant to UV	Low
Flame retardant	Yes		

RECOMMENDED INSTALLATION ENVIRONMENTS

- Industrial Equipment
- Machines
- In Conduit
- Internal Wiring

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian; any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted, or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian.

Prysmian Australia Pty Ltd | PH: 1300 300 304 | Email: sales.au@prysmian.com | Website: <https://australia.prysmian.com/>

PHYSICAL CHARACTERISTICS

Nominal cross section conductor [mm ²]	Part number	Conductor strand count	Strand diameter [mm]	Diameter conductor [mm]	Cable nominal diameter [mm]	Cable nominal weight [kg/km]	Minimum bending radius - installed [mm]
6	20429874	81	0.3	3	5	68	25
10	20370200	74	0.4	3.9	6	105	25
16	20370281	118	0.4	4.9	7	158	30
25	20370282	182	0.4	6.5	9	247	40
35	20317149	413	0.3	7.9	10.3	350	45
50	20260081	351	0.4	9.4	12.3	500	50
70	20260083	322	0.5	11.3	14.2	700	60
95	20227593	425	0.5	13	16.2	900	65
120	20199501	545	0.5	14.7	17.9	1,150	75
150	20199506	678	0.5	16.5	20.2	1,400	85
185	20199511	826	0.5	18.2	22.2	1,750	90
240	20199519	1092	0.5	21	25.4	2,250	105
300	20199529	1366	0.5	23.5	28.4	2,800	115
400	20283979	1800	0.5	27	32.2	3,700	130
500	20331418	2282	0.5	30.5	36.1	4,650	145

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]	Current carrying capacity (in ground) [A]	Current carrying capacity (in air) [A]
6	20429874	3.3	4.01	45	47
10	20370200	1.91	2.32	59	57
16	20370281	1.21	1.47	104	75
25	20370282	0.78	0.949	134	100
35	20317149	0.554	0.674	125	160
50	20260081	0.386	0.47	157	190
70	20260083	0.272	0.332	198	233
95	20227593	0.206	0.252	239	279
120	20199501	0.161	0.197	284	317
150	20199506	0.129	0.159	328	356
185	20199511	0.106	0.131	376	402
240	20199519	0.0801	0.1	451	465
300	20199529	0.0641	0.0817	519	524
400	20283979	0.0486	0.064	621	593
500	20331418	0.0384	0.0527	717	668

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian; any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted, or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian.

Prysmian Australia Pty Ltd | PH: 1300 300 304 | Email: sales.au@prysmian.com | Website: <https://australia.prysmian.com/>