BUILDING WIRE

0.6/1KV 1C B/WIRE

prysmian
E Path

For switchboard and control panel wiring. For fixed wiring within other enclosures or apparatus where the cable is not accessible without the use of tools. 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: Plain Annealed Copper Conductor - **CLASS 2**
INSULATION: V-90 PVC **COLOUR OPTIONS**: Red, Black, White or Blue

STANDARDS & APPROVALS

AS/NZS 5000.1	Cable Standard
AS/NZS 1125	Conductor Standard
AS/NZS 3808	Material Standard
AS/NZS IEC 60332-1	Flame Propagation Standard
GREEN STAR	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
- In Conduit
- Machines
- Internal Wiring

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PHYSICAL CHARACTERISTICS

Nominal cross section conductor [mm²]	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]
1.5	1.5BW	7	0.5	1.5	3.1	50	15
2.5	2.5BW	7	0.67	2	3.6	50	15
4	4BW	7	0.85	2.6	4.6	100	20
6	6BW	7	1.04	3.2	5.2	100	25
10	10BW	7	1.35	4	6.1	150	25
16	16BW	7	1.7	5	7.1	200	30
25	25BW	19	1.35	6.4	8.9	300	40
35	35BW	19	1.53	7.5	10	400	40
50	50BW	19	1.78	8.8	11.7	500	50
70	70BW	19	2.14	10.5	13.5	700	55

ELECTRICAL CHARACTERISTICS

Nominal cross section conductor [mm²]	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]
1.5	1.5BW	13.6	16.5	17	20
2.5	2.5BW	7.41	9.01	25	27
4	4BW	4.61	5.61	33	36
6	6BW	3.08	3.75	42	45
10	10BW	1.83	2.23	58	59
16	16BW	1.15	1.4	77	104
25	25BW	0.727	0.884	103	134
35	35BW	0.524	0.638	127	160
50	50BW	0.387	0.471	156	190
70	70BW	0.268	0.327	197	233

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