

It's all in the details.

Our control cables make everything tick.



A brand of the

Prysmian
Group

Our control cables make everything tick.

Prysmian control cables will always keep your projects ticking, they are built for the toughest jobs. If you need the highest standard of electromagnetic protection – Prysmian have it covered. Our cables will always run like clockwork.

COPPER TAPE CONTROL CABLES

0.6/1 kV V-90 INSULATED, PVC BEDDED, COPPER TAPE SCREEN, 5V-90 PVC SHEATHED.



Application

For control circuits unenclosed, enclosed in conduit, buried direct or in underground ducts for commercial, industrial, mining and electricity authority systems where not subject to mechanical damage. Suitable for glanding.

Standard / Approvals

AS/NZS 5000.1

Temperature range

Minimum installation temperature: 0 °C

Maximum operating temperature: 75 °C

Minimum operating temperature: -15 °C

Can also be operated at temperatures up to 90 °C when not exposed to mechanical deformation (see AS/NZS 3008.1.1).

Minimum bending radius as multiples of overall diameter

Installed cables: 12 × OD

During installation: 18 × OD

Flexibility

Semi-Rigid

Resistance to

Chemical exposure: Occasional

Mechanical impact: Light

Solar radiation and

weather exposure: Occasional

Cable design

Conductor:

Plain annealed copper conductor to AS/NZS 1125

Insulation:

PVC V-90

Colour: White with black numbering

Bedding:

5V-90 PVC

Colour: Black

Screen:

Copper tape screen

Sheath:

PVC 5V-90

Colour: Black

Installation conditions

In free air

In conduit

In trench

In underground duct

Buried Direct with protection

External building with protection

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group; 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 Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

COPPER TAPE CONTROL CABLES

Physical & electrical characteristics

0.6/1 kV V-90 insulated, PVC bedded, copper tape screen, 5V-90 PVC sheathed.

Product code	Nominal C.S.A. mm ²	Number of cores	Nominal insulation thickness mm	Overall diameter		Approx. mass kg/100 m	Min. installed bending radius mm
				min. mm	max. mm		
20199880	1.5	4	0.8	12.2	14.2	28	170
20199917	1.5	8	0.8	15.3	17.4	41	210
20199942	1.5	12	0.8	17.9	20.1	54	240
20199962	1.5	19	0.8	20.6	22.7	72	270
20213258	1.5	20	0.8	21.5	23.7	76	285
20247400	2.5	2	0.8	11.9	14.0	27	165
20199894	2.5	4	0.8	13.4	15.5	35	185
20199914	2.5	7	0.8	15.5	17.6	46	210
20358916	2.5	12	0.8	20.1	22.2	71	265
20358916	2.5	19	0.8	23.4	25.7	99	305
20203663	6	2	1.0	14.8	17.1	43	205
20199901	6	4	1.0	16.9	19.2	60	230
20199928	6	8	1.0	21.8	24.2	93	290
20199952	6	12	1.0	26.4	29.0	130	345
20203664	16	2	1.0	19.0	21.5	68	255
20199903	16	4	1.0	21.8	24.4	107	290

0.6/1 kV V-90 insulated, PVC bedded, copper tape screen, 5V-90 PVC sheathed.

Number of cores	Current ratings			Electrical characteristics	
	Touching A	Buried direct A	Underground in duct A	Maximum DC resistance @ 20 °C Ω/km	Reactance per core Ω/km
4	15	18	18	13.6	0.111
8	15	18	18	13.6	0.111
12	15	18	18	13.6	0.111
19	15	18	18	13.6	0.111
20	15	18	18	13.6	0.111
2	26	30	30	7.41	0.102
4	22	25	25	7.41	0.102
7	22	25	25	7.41	0.102
12	22	25	25	7.41	0.102
19	22	25	25	7.41	0.102
2	44	50	50	3.08	0.0967
4	37	42	42	3.08	0.0967
8	37	42	42	3.08	0.0967
12	37	42	42	3.08	0.0967
2	80	114	86	1.15	0.0861
4	68	96	73	1.15	0.0861

Linking the future

Prysmian Australia Pty Ltd

1 Heathcote Road, Liverpool 2170 NSW, Australia
Ph: 1300 300 304 Fx: 1300 300 307
E-mail: sales.au@prysmiangroup.com
www.prysmiancable.com.au

Prysmian New Zealand Ltd

30 Binsted Road, New Lynn 0600 Auckland, New Zealand
Ph: (09) 827 3109 Toll Free: 0800 492 225
E-mail: sales.nz@prysmiangroup.com
www.prysmiancable.co.nz

Connect with us



Prysmian Australia & New Zealand



Prysmian Group



A brand of the

Prysmian
Group