

# The perfect balancing act.

Our Balance Master will keep Victoria sitting pretty.



A brand of the

**Prysmian**  
Group

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Prysmian's Balance Master cables are especially designed to be compatible with Rapid Earth Fault Current Limiters (REFCL – GFN Type) and are approved for use in Victoria. The Aim of REFCL is to enhance bushfire safety. To succeed you need cables able to withstand unbalanced voltages and comply with reduced capacitance requirements of REFCL systems. With this perfect balancing act of elements the flow can go on, safe and sound.

## Technical data

### Physical Characteristics

Prysmian Item number	Cable Description	Approx Cable Diameter (mm)	Approx Mass (kg/100 m)	Bending Radius (mm)		Max. Pulling Tension (kN)	
				During Installation	Set in position	Conductor	Stocking Grip
20214316	22/22KV 70X3C AL	72.6	395	1820	1090	10.5	8.7
20210017	22/22KV 185X3C AL	86.5	625	2160	1300	25.0	10.4
20227801	22/22KV 240X3C AL	92.7	731	2320	1390	25.0	11.1
20214317	22/22KV 300X3C AL	99.0	829	2470	1480	25.0	11.9

### Electrical Characteristics

Prysmian Item number	Insulation Resistance (MOhm.km) at 20°C	Insulation Resistance (MOhm.km) at 90°C	Charging current per Phase (A/km)	Capacitance (µF/km)	Inductance (mH/km)	Positive Sequence impedance at 90°C	Maximum continuous Operating Voltage U <sub>0</sub> /U <sub>1</sub> /UM (kV)*	Basic insulation level (kV)
20214316	17000	16	0.619	0.155	0.422	0.568 + j0.133	22/22(24)	200
20210017	12000	12	0.844	0.212	0.359	0.211 + j0.113	22/22(24)	200
20227801	11000	11	0.921	0.231	0.348	0.161 + j0.109	22/22(24)	200
20214317	9800	10	1.02	0.255	0.335	0.130 + j0.105	22/22(24)	200

\* U<sub>0</sub>/U<sub>1</sub>/UM - Suitable for continuous operation with full line voltage applied phase to earth.



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