



HIGH-SPEED REELING MINING CABLE

AS/NZS 1802

6 orderable sizes

STANDARD AS/NZS 1802	VOLTAGE CLASS 1.1/1.1 kV and customer-specified mining ratings	CONDUCTOR Flexible tinned copper conductor
INSULATION / JACKET Heavy-duty abrasion resistant mining sheath		

Construction

- 1 ■ **Conductor** – Flexible tinned copper conductor · 608 × Ø0.5 mm · IEC 60228 cl.5
- 2 ■ **Conductor screen** – Semi-conducting layer
- 3 ■ **Insulation** – EPR
- 4 ■ **Insulation screen** – Semi-conducting layer
- 5 ■ **Metallic screen** – Copper wire screen (CWS)
- 6 ■ **Sheath** – Heavy-duty abrasion resistant mining sheath

Size selection — all available cross-sections

Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 16 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	16 mm ²	1.21 Ω/km	27 mm
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 25 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	25 mm ²	0.780 Ω/km	29 mm
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 35 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	35 mm ²	0.554 Ω/km	31 mm

Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 50 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	50 mm ²	0.386 Ω/km	34 mm
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 70 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	70 mm ²	0.272 Ω/km	37 mm
Shuttle car cable 1.1/1.1 kV Shuttle car 3 power cores + earth + pilot 95 mm ²	1.1/1.1 kV	Shuttle car	3 power cores + earth + pilot	95 mm ²	0.206 Ω/km	40 mm
Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 25 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	25 mm ²	0.780 Ω/km	29 mm
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 35 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	35 mm ²	0.554 Ω/km	31 mm
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 50 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	50 mm ²	0.386 Ω/km	34 mm
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 70 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	70 mm ²	0.272 Ω/km	37 mm
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 95 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	95 mm ²	0.206 Ω/km	40 mm
Shuttle car cable 3.3/3.3 kV High-speed reeler Reinforced reeling design 120 mm ²	3.3/3.3 kV	High-speed reeler	Reinforced reeling design	120 mm ²	0.161 Ω/km	43 mm