



LONGWALL SHEARER CABLE

AS/NZS 1802

5 orderable sizes

STANDARD AS/NZS 1802	VOLTAGE CLASS 1.1/1.1 kV to 6.6/6.6 kV	CONDUCTOR Flexible tinned copper conductor
INSULATION / JACKET Heavy-duty reinforced mining sheath		

Construction

- 1 ■ Conductor (per core) – Flexible tinned copper conductor · 396 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ Core insulation – EPR
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – Heavy-duty reinforced 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
Type 245 mining cable 1.1/1.1 kV Longwall shearer 3 power cores + 3 central pilots 25 mm ²	1.1/1.1 kV	Longwall shearer	3 power cores + 3 central pilots	25 mm ²	0.780 Ω/km	29 mm
Type 245 mining cable 1.1/1.1 kV Longwall shearer 3 power cores + 3 central pilots 35 mm ²	1.1/1.1 kV	Longwall shearer	3 power cores + 3 central pilots	35 mm ²	0.554 Ω/km	31 mm
Type 245 mining cable 1.1/1.1 kV Longwall shearer 3 power cores + 3 central pilots 50 mm ²	1.1/1.1 kV	Longwall shearer	3 power cores + 3 central pilots	50 mm ²	0.386 Ω/km	34 mm
Type 245 mining cable 1.1/1.1 kV Longwall shearer 3 power cores + 3 central pilots 70 mm ²	1.1/1.1 kV	Longwall shearer	3 power cores + 3 central pilots	70 mm ²	0.272 Ω/km	37 mm

Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Type 245 mining cable 1.1/1.1 kV Longwall shearer 3 power cores + 3 central pilots 95 mm ²	1.1/1.1 kV	Longwall shearer	3 power cores + 3 central pilots	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
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 25 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	25 mm ²	0.780 Ω/km	32 mm
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 35 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	35 mm ²	0.554 Ω/km	34 mm
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 50 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	50 mm ²	0.386 Ω/km	37 mm
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 70 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	70 mm ²	0.272 Ω/km	40 mm
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 95 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	95 mm ²	0.206 Ω/km	43 mm
Type 245 mining cable 3.3/3.3 kV Continuous miner 3 power cores + pilot cores 120 mm ²	3.3/3.3 kV	Continuous miner	3 power cores + pilot cores	120 mm ²	0.161 Ω/km	46 mm
Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 35 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	35 mm ²	0.554 Ω/km	38 mm
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 50 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	50 mm ²	0.386 Ω/km	41 mm
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 70 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	70 mm ²	0.272 Ω/km	44 mm

Cable reference	Voltage class	Equipment duty	Core / pilot design	Conductor size	Max DC resistance at 20 °C	OD guide
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 95 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	95 mm ²	0.206 Ω/km	47 mm
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 120 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	120 mm ²	0.161 Ω/km	50 mm
Type 245 mining cable 6.6/6.6 kV Peripheral longwall cable High-flex pilot arrangement 150 mm ²	6.6/6.6 kV	Peripheral longwall cable	High-flex pilot arrangement	150 mm ²	0.129 Ω/km	53 mm

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