



Caledonian

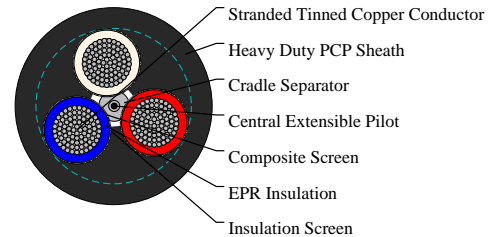
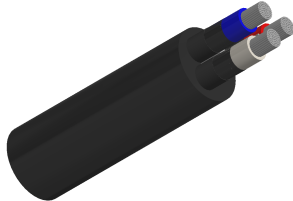
Mining Cables (AS_NZS Standard)

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AS/NZS 2802:2000 Reeling & Trailing Cables

Type 409 Class2 1.1KV 3C120



APPLICATIONS

Type 409 series cable is mainly used as a flexible feeder to machinery, more suitable as a trailing cable rather than for reeling. Smaller cables are used for drills and hand held tools and equipment, while larger ones are used for power supply to draglines, shovels and drills.

STANDARDS

AS/NZS 2802:2000

AS/NZS 1125

AS/NZS 3808

AS/NZS 5000.1

CABLE CONSTRUCTION

3×Conductors: Flexible stranded tinned annealed copper conductor.

Insulation: EPR.

Insulation Screen: Semiconductive elastomer.

Composite Screen (earth conductor): Tinned annealed copper braiding interwoven with polyester yarn.

Cradle Separator: Semiconductive PCP.

1×Central Extensible Pilot: EPR covered flexible stranded tinned copper conductor.

Sheath: Heavy duty PCP sheath. Heavy duty CPE/CSP sheath can be offered upon request.

COLOUR CODE

Rotational sequence of core colours: Red, White, Blue. The central pilot core is grey.

DIMENSION AND PARAMETERS

| Nominal Cross-sectional Area | No./ Nominal Diameter of Strands | Core Screen Strand Size | Core Screen Area of Screen | Pilot Conductor Strand Size | Pilot Conductor Thickness of Covering | Nominal Insulation Thickness | Nominal Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|------------------------------|----------------------------------|-------------------------|----------------------------|-----------------------------|---------------------------------------|------------------------------|--------------------------|-----------------------|----------------|
| mm ² | no./mm | no./mm | mm ² | no./mm | mm | mm | mm | mm | kg/km |
| 120 | 336/0.67 | 7/0.3 | 24.7 | 40/0.2 | 0.8 | 2.1 | 6.4 | 65.1 | 760 |