



Caledonian

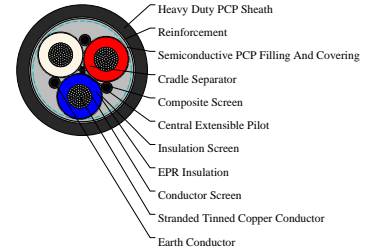
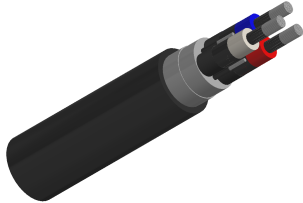
Mining Cables (AS_NZS Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

AS/NZS 1802:2003 Reeling & Trailing Cables

Type 245 6.6KV 3C120



APPLICATIONS

These very flexible cables are mainly used as longwall shearer cables, and also for continuous miners and peripheral longwall cables. Cable has 3 central pilots for earth continuity monitoring and for control circuits.

STANDARDS

AS/NZS 1802:2003

AS/NZS 1125

AS/NZS 3808

AS/NZS 5000.1

CABLE CONSTRUCTION

3×Conductors: Flexible stranded tinned annealed copper conductor.

Conductor Screen: Semiconductive compound.

Insulation: EPR.

Insulation Screen: Semiconductive elastomer.

Cradle Separator: Semiconductive PCP.

Overall Core Screen: Semiconductive PCP filling and covering.

3×Interstitial Earth Conductor: Semiconductive PCP covered flexible stranded tinned copper conductor.

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

Textile Reinforcement: Open-weave braid reinforcement.

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

COLOUR CODE

Rotational sequence of core colours: Red, Black, White, Black, Blue, Black

DIMENSION AND PARAMETERS

| Nominal Cross-sectional Area | No./Nominal Diameter of Strands | Earth Conductor Strand Size | Earth Conductor Thickness of Covering | 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 | no./mm | mm | mm | mm | mm | kg/km |



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|-----|----------|---------|-----|---------|-----|---|-----|------|------|
| 120 | 1702/0.3 | 300/0.3 | 1.4 | 28/0.25 | 0.8 | 5 | 7.7 | 81.3 | 1050 |
|-----|----------|---------|-----|---------|-----|---|-----|------|------|