



Caledonian

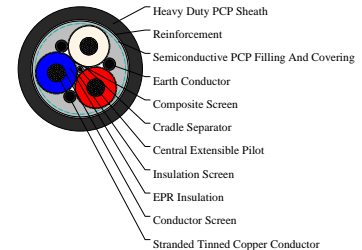
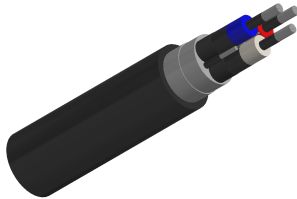
Mining Cables (AS_NZS Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

AS/NZS 1802:2003 Reeling & Trailing Cables

Type 241 6.6KV 3C50



APPLICATIONS

These cables are designed for various uses, including main feeder cable for continuous miners, pump cable, and power supply cable. Overall semiconductive screen provides protective earth contact for any object breaching the sheath prior to contact with power conductors.

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.

1×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 |
|------------------------------|----------------------------------|-----------------------------|---------------------------------------|-----------------------------|---------------------------------------|------------------------------|--------------------------|-----------------------|----------------|
|------------------------------|----------------------------------|-----------------------------|---------------------------------------|-----------------------------|---------------------------------------|------------------------------|--------------------------|-----------------------|----------------|



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| mm ² | no./mm | no./mm | mm | no./mm | mm | mm | mm | mm | kg/km |
|-----------------|---------|---------|-----|--------|-----|----|-----|------|-------|
| 50 | 380/0.4 | 120/0.3 | 1.4 | 40/0.2 | 0.8 | 5 | 7.1 | 66.2 | 592 |