



# Caledonian

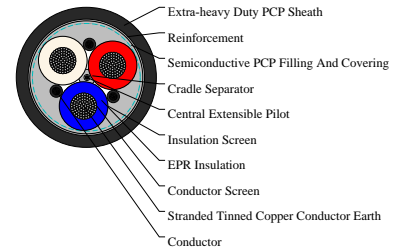
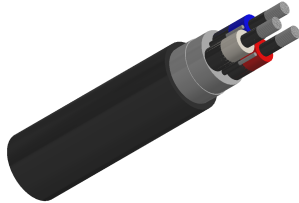
Mining Cables (AS\_NZS Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

## AS/NZS 2802:2000 Reeling & Trailing Cables

Type 441 Class1 11KV 3C120



### APPLICATIONS

Type 441 Class 1 series cable has lower insulation and sheath radials than Class 2 cables, designed for many uses, suitable for trailing and also suitable for reeling applications, have one central pilot and a semiconductive cradle supporting and protecting the power cores, which makes these cables less likely to be damaged from crushing and squashing.

### 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.
- 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: Extra-heavy duty PCP sheath. Extra-heavy duty CPE/CSP sheath can be offered upon request.

### COLOUR CODE

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

### DIMENSION AND PARAMETERS

| Nominal Cross-sectional Area | No./ Nominal Diameter | Earth Conductor Strand Size | Earth Conductor Thickness | Pilot Conductor Strand Size | Pilot Conductor Thickness | Nominal Insulation Thickness | Nominal Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|------------------------------|-----------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|------------------------------|--------------------------|-----------------------|----------------|
|------------------------------|-----------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|------------------------------|--------------------------|-----------------------|----------------|



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|                 | of<br>Strands |         | of<br>Covering |        | of<br>Covering |    |     |      |       |
|-----------------|---------------|---------|----------------|--------|----------------|----|-----|------|-------|
| mm <sup>2</sup> | no./mm        | no./mm  | mm             | no./mm | mm             | mm | mm  | mm   | kg/km |
| 120             | 336/0.67      | 60/0.67 | 1.4            | 40/0.2 | 0.8            | 5  | 6.9 | 80.9 | 986   |