



Caledonian

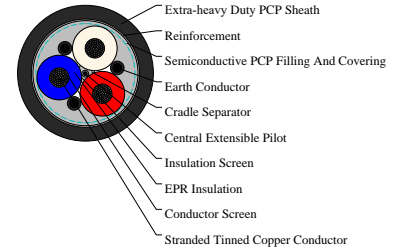
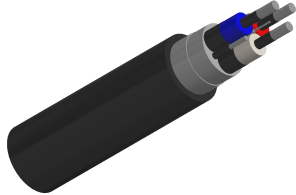
Mining Cables (AS_NZS Standard)

www.caledonian-cables.com

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AS/NZS 2802:2000 Reeling & Trailing Cables

Type 441 Class1 22KV 3C50



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 Strands		of Covering		of Covering				
mm ²	no./mm	no./mm	mm	no./mm	mm	mm	mm	mm	kg/km
50	380/0.4	120/0.3	1.8	40/0.2	0.8	7.6	7	81.4	820