

TYPE 441 (Class 1) From 3.3kV up to 22kV CABLES Acc. AS/NZS 2802



TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Permanent Tensile Force: 15 N/mm²
- Production Standard: AS/NZS 2802:2000, AS/NZS 1125 AS/NZS 3808, AS/NZS 5000.1

CONSTRUCTION

Conductor: Electrolytic multiple-stranded circular flexible tinned copper wire (rope lay) AS/NZS 1125-2.10

Separator: Semiconducting layer over power conductors and earth conductors

Insulation: Power and pilot cores are insulated with XR-EP-90 (Class 1, acc. to AS/NZS 3808). Earth cores not insulated

Separator: Semiconducting layer over power core insulations

Layup: Cores are laid up over a semiconducting cradle with one pilot core in the center and without contacting each other, but in contact with interstitial earth cores

Bedding: Semiconducting elastomeric compound

Separator: Open weave braid for reinforcement

Outer Sheath: Heavy-duty elastomer outer sheath (acc. to AS/NZS 3808)

CODE of CABLE

- TYPE 441(Class 1)

NOTE: These cables should not be installed at temperatures below -40°C or above 80°C

INTRODUCTION

Type 441 (Class 1) cables are suitable for trailing applications for drag lines, shovels, and drills and also suitable for reeling applications. These cables can be used in underground and open mines.

SECTION RANGE

- From 16mm² up to 300mm²

CONDUCTOR QUANTITY

- Three phase cores and three interstitial earth cores laid up around a semi conductive cradle containing a central pilot core. All cores are screened by semi conductive filler as well. Contains open weave braid reinforcement layer.

COLOUR CODE of CABLE

- Insulation Colour code could be according to the International Standards or customer's request/demand.