DEMKA
single source for all electrical needs

TYPE 241 1.1kV/1.1kV CABLES Acc. AS/NZS 1802

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 1802, AS/NZS 1125

CONSTRUCTION

Conductor: Electrolytic, multiple-stranded circular flexible tinned copper wire (rope lay) AS/NZS 1125-2.10
Separator: Semiconducting layer over power conductors (3.3/3.3kV and above) and earth conductors (all)
Insulation: Power and pilot cores are insulated with R-EP-90 (acc. to AS/NZS 3808). Earth cores are 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 241

INTRODUCTION

Type 241 cables are for general and underground coal mining purposes. Uses include mine power feeder cable for continuous miners, pump cable and power supply cable.

SECTION RANGE

- **From 6mm² 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.

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