

## TYPE 450 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/mm<sup>2</sup>
- 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. 70

**Separator:** Semiconducting layer over power and earth conductors

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

**Separator:** Semiconducting layer

**Screen:** Tinned copper/ Nylon braid and semi conductive elastomer screen over phase cores

**Layup:** All phase cores are laid up in contact with each other  
Two ground cores and one pilot core are laid up in between

**Bedding:** Elastomeric compound

**Separator:** Open weave braid for reinforcement

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

### CODE of CABLE

- TYPE 450

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

### INTRODUCTION

Type 450 cables used for power supply to a wide range applications. For use where two earth and one pilot cores are required. For power supply to drag lines and slow reeling applications where copper screened cables are required.

### SECTION RANGE

- From 16mm<sup>2</sup> up to 300mm<sup>2</sup>

### CONDUCTOR QUANTITY

- Three phase cores, two interstitial earth cores and one pilot core laid up around a cradle. Phase cores are screened by a composite screen and a semi conductive layer. 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.