

## TYPE 409 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 cores in 3.3/3.3kV and above types

**Insulation:** R-EP-90 (Class 2, acc. to AS/NZS 3808)

**Separator:** Semiconducting layer (3.3/3.3kV and above)

**Screen:** Tinned copper/ Nylon braided screen over phase cores

**Layup:** Cores are laid up over a semiconducting cradle with one pilot core in the center and without contacting each other

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

### CODE of CABLE

- TYPE 409

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

### INTRODUCTION

Type 409 cables are used as flexible feeder cable to machinery. More suitable as a trailing cable. Larger cables for power supply to drag lines, shovels and drills. Smaller sizes used for drills, held hand tools and equipment.

### SECTION RANGE

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

### CONDUCTOR QUANTITY

- Three phase cores and three interstitial earth cores laid up around a semi conductive cradle containing a central pilot core.

### COLOUR CODE of CABLE

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