BAC®
CORROSION CONTROL

# Technical Datasheet

## SINGLE CORE CABLE – XLPE/PVC/SWA/PVC

- **Insulation:** XLPE (Cross Linked Polyethylene) - Cross-linked polyethylene is a compound form of PE, which enhances the mechanical stability
- **Bedding:** Extruded PVC - is available in many compound forms but those used in cable manufacture are plasticized to allow extrusion techniques and subsequent flexibility. It has good ageing and mechanical properties.
- **Armour:** Galvanised Steel Wire Armour - Steel wire stands between the layers of insulation for protection against mechanical damage.
- **Sheath:** PVC Black - is available in many compound forms but those used in cable manufacture are plasticized to allow extrusion techniques and subsequent flexibility. It has good ageing and mechanical properties.
- **Conductor:** Stranded or Solid Plain Annealed Copper.
- **Application:** Designed for use in cathodic protection systems. These cables are provided with mechanical protection are therefore suitable for external use and direct burial.
- **Technical Data:** Voltage: 600/1000V,
  Temperature range: -40 °C to +90 °C
- **Relevant Standards:** Conductor: To BS6360,
  Sheath: To BS6746 Type G

  Meets IEC 502


**Sizes and Dimensions**
All sizes and dimensions are approximate and for information only. BAC will confirm actual dimensions at time of order if required:

| Conductor Size ($mm^2$) | Number of Strands | Diameter of Conductor (mm) | Nom. O.D. (mm) | Approx. Nett Weight (kg/km) | Gland Size |
|---|---|---|---|---|---|
| 16 | 7 | 5.1 | 13.5 | 435 | 20S |
| 25 | 7 | 6.4 | 15.3 | 575 | 20 |
| 35 | 7 | 7.7 | 17.4 | 805 | 20 |
| 50 | 7 | 8.9 | 19.1 | 1010 | 20 |
| 70 | 19 | 10.7 | 21.1 | 1210 | 25 |
| 95 | 19 | 12.6 | 23.4 | 1620 | 25 |
| 120 | 19 | 14.2 | 26.3 | 2100 | 25 |