



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