



# Caledonian

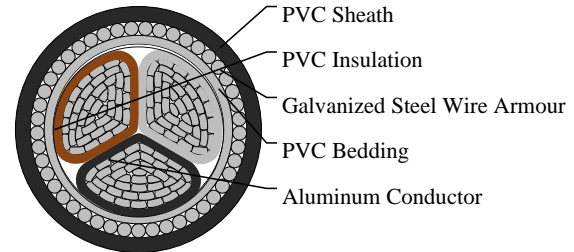
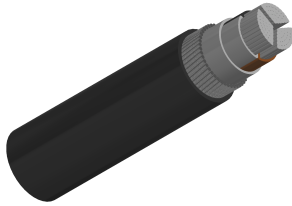
BS 6346 Cables

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## BS 6346 PVC Insulated Cables, 600/1000V

Three-core 600/1000V cables with solid aluminum conductors  
3C70



### APPLICATIONS

These power and control cables are used for electricity supply in low voltage installation system. They are well adapted to underground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...).

### STANDARDS

BS 6346

### FIRE PERFORMANCE

|                 |                                |
|-----------------|--------------------------------|
| Flame retardant | IEC60332 part 1, BS4066 part 1 |
|-----------------|--------------------------------|

### VOLTAGE RATING

600/1000V

### CABLE CONSTRUCTION

Conductor: Shaped Solid Aluminum conductor to BS 6460, IEC 60228

Insulation: PVC (Polyvinyl Chloride) type T11

Filler (optional): PVC or Polypropylene yarn

Binder Tape (optional): Polyester (Mylar) tape

Inner Sheath/ Bedding: PVC (Polyvinyl Chloride)

Armour: SWA (Galvanized Steel Wire or Tape Armour)

Outer Sheath: PVC (Polyvinyl Chloride), type TM1

### COLOUR CODE

Insulation Colour: Brown, Black, Grey

### PHYSICAL AND THERMAL PROPERTIES

Temperature rating: -20°C to +60°C

Bending radius:

Single core: 10 x overall diameter



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Multicores: 8 x overall diameter

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional<br>Area | Nominal<br>Insulation<br>Thickness | Nominal<br>Bedding<br>Thickness | Nominal<br>Sheath<br>Thickness | Nominal<br>Steel Wire<br>Armour<br>Diameter | Approx.<br>Overall<br>Diameter<br>(Extruded<br>Bedding) | Approx.<br>Overall<br>Diameter<br>(Taped<br>Bedding) | Approx.<br>Weight |
|---|------------------------------------|---------------------------------|--------------------------------|---|---|--|-------------------|
| No.×mm <sup>2</sup>                           | mm                                 | mm                              | mm                             | mm  | mm  | mm   | kg/km             |
| 3x70<br>Shaped                                | 1.4                                | 1.2                             | 2                              | 2   | 33  | 32.2   | 2220              |