



# Caledonian

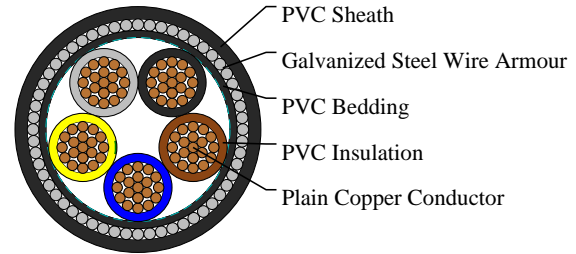
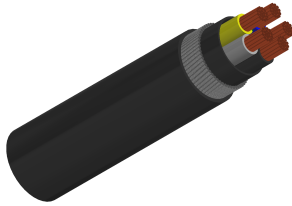
BS 6346 Cables

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

Five-core 600/1000V cables with stranded copper conductors  
5C50



## 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 Retardance | IEC60332 part 1, BS4066 part 1 |
|------------------|--------------------------------|

## VOLTAGE RATING

600/1000V

## CABLE CONSTRUCTION

Conductor: Copper conductor stranded Class 2 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: Green-yellow, Blue, 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 × Cross-sectional Area | No./ Nominal Diameter of Strands | Nominal Insulation Thickness | Nominal Bedding Thickness | Nominal Sheath Thickness | Nominal Steel Wire Armour Diameter | Approx. Overall Diameter (Extruded Bedding) | Approx. Overall Diameter (Taped Bedding) | Approx. Weight |
|-------------------------------------|----------------------------------|------------------------------|---------------------------|--------------------------|------------------------------------|---|--|----------------|
| No. × mm <sup>2</sup>               | no./mm                           | mm                           | mm                        | mm                       | mm                                 | mm  | mm                                       | kg/km          |
| 5x50                                | 19/1.78                          | 1.4                          | 1.2                       | 2.1                      | 2                                  | 43  | 42.2                                     | 3590           |



Rated voltage



BS 6346



Flame Retardancy  
BS EN 50265-2-1