



# Caledonian

FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.com

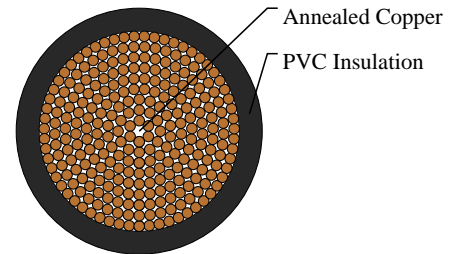
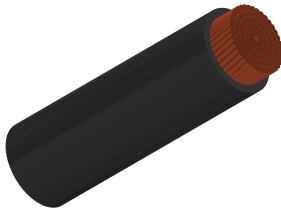
marketing@caledonian-cables.com

## 450/750V PVC Insulated, Non-sheathed Power Cables (Single Core)

FGD100 07V-K 1C185 (CU/PVC 450/750V Class 5)

BS Code:6491X

HAR Code:H07V-K



### APPLICATIONS

This cables are mainly used in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings. This product type is CE and TUV approved.

### STANDARDS

Basic design to BS EN 50525-2-31(formerly BS 6004:2000)

### APPROVALS

CE Certification (N8A 17 07 98200 006)

TUV Certification (B 17 07 98200 007)

### FIRE PERFORMANCE

|  |              |
|--|--------------|
| Flame Retardance (Single Vertical Wire Test) | EN 60332-1-2 |
|--|--------------|

### VOLTAGE RATING

450/750V

### CABLE CONSTRUCTION

Conductor: Class 5 stranded copper conductor to BS EN 60228.

Insulation: PVC Type TI 1 according to BS EN 50363-3.

### COLOUR CODE

Black, Blue, Brown, Grey, Orange, Pink, Red, Turquoise, Violet, White, Green and Yellow.

### PHYSICAL AND THERMAL PROPERTIES

Maximum temperature range during operation (PVC): 70°C

Maximum short circuit temperature (5 Seconds): 160°C

Minimum bending radius:

Up to 8mm<sup>2</sup>: 4 x overall diameter



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8mm<sup>2</sup> to 12mm<sup>2</sup>: 5 x overall diameter

Above 12mm<sup>2</sup>: 6 x overall diameter

## DIMENSION AND PARAMETERS

| No. of Cores ×<br>Cross-sectional Area | Conductor Class | Nominal Insulation<br>Thickness | Overall<br>Diameter (max.) | Approx. Weight |
|--|-----------------|---------------------------------|----------------------------|----------------|
| No. × mm <sup>2</sup>                  |                 | mm                              | mm                         | kg/km          |
| 1X185                                  | 5               | 2                               | 24.9                       | 1845           |



Rated voltage



BS EN 50525-3-31