



**Caledonian**

**FIREGUARD Flame Retardant Power & Control Cables**

www.caledonian-cables.co.uk

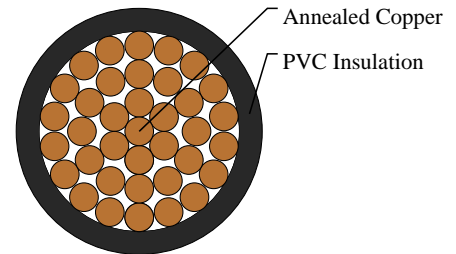
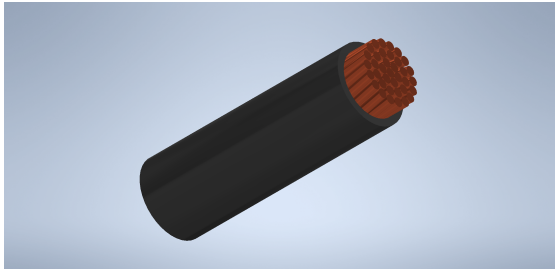
sales@caledonian-cables.co.uk

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

FGD100 07V-R (CU/PVC 450/750V Class 2)

BS Code: 6491X

HAR Code: H07V-R



### **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
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### **VOLTAGE RATING**

450/750V

### **CABLE CONSTRUCTION**

Conductor: Class 2 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:



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

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 × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Approx. Overall Diameter	Approx. Weight
No. x mm <sup>2</sup>		mm	mm	kg/km
1 x 185	2	2.0	23.3	1780



Flame Retardant



BS EN 50525-2-31



Rated voltage