



**Caledonian**

**FIREGUARD Flame Retardant Power & Control Cables**

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

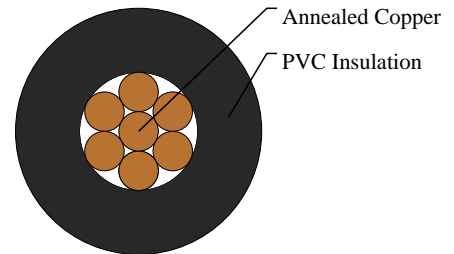
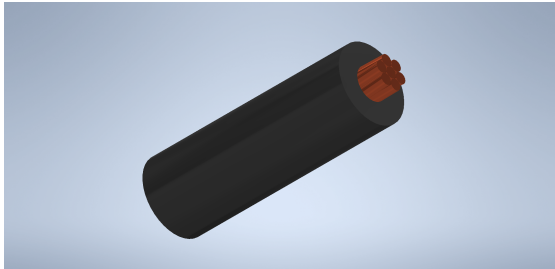
[sales@caledonian-cables.co.uk](mailto:sales@caledonian-cables.co.uk)

### 300/500V PVC Insulated, Non-sheathed Power Cables (Single Core)

FGD100 05V-R 1C0.75

BS Code: 2491X

HAR Code: H05V-U



### APPLICATIONS

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

### STANDARDS

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

### FIRE PERFORMANCE

Flame Retardance (Single Vertical Wire Test)	EN 60332-1-2
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### VOLTAGE RATING

300/500V

### 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. Bi-colours of any combination of the above mono-colours are permitted.

### 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

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



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No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm <sup>2</sup>		mm	mm	kg/km
1×0.75	2	0.6	2.6	12



Flame Retardant



BS EN 50525-2-31



Rated voltage