



# Caledonian

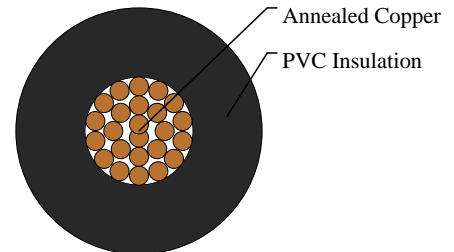
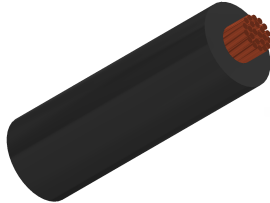
## FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.co.uk

sales@caledonian-cables.co.uk

### 600/1000V PVC Insulated, Non-sheathed Flexible Cables (Single Core)

FGD100 1V-K (CU/PVC 600/1000V Class 5)



### APPLICATIONS

The cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers. This product type is TUV approved.

### STANDARDS

Basic design to BS 6231: 2006

### APPROVALS

TUV Certification (Z1 18 01 98200 016)

### FIRE PERFORMANCE

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

600/1000V

### CABLE CONSTRUCTION

Conductor: Annealed copper conductor, class 5 according to BS EN 60228.

Insulation: PVC Type TI 1 according to BS EN 50363-3 for cable type BK, and type TI 3 according to BS EN 50363-3 for cable type CK.

### COLOUR CODE

Black, Blue, Brown, Red, White, Grey, Violet, Pink, Green and Yellow. Other colours can be offered upon request

### PHYSICAL AND THERMAL PROPERTIES

Maximum temperature range during operation (PVC): 70°C (TYPE BK): 90°C (TYPE CK)

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

Minimum bending radius: 6 x overall diameter

### DIMENSION AND PARAMETERS



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No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Overall Diameter (max.)	Approx. Weight
No. × mm <sup>2</sup>		mm	in	kg/km
1 × 1.0	5	0.8	3.3	18



Rated voltage



BS 6231



Flame Retardancy  
BS/EN/IEC 60332-1-2