



Caledonian

FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.co.uk

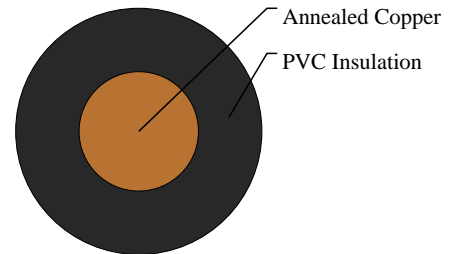
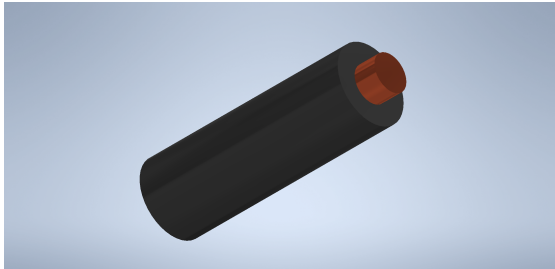
sales@caledonian-cables.co.uk

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

FGD100 05V-U (CU/PVC 300/500V Class 1)

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 1 solid 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 8mm²: 4 x overall diameter

8mm² to 12mm²: 5 x overall diameter

Above 12mm²: 6 x overall diameter

DIMENSION AND PARAMETERS



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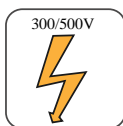
No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm ²		mm	mm	kg/km
1×1.0	1	0.6	2.7	14



Flame Retardant



BS EN 50525-2-31



Rated voltage