



Caledonian

FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.com

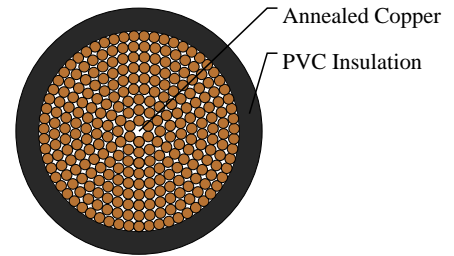
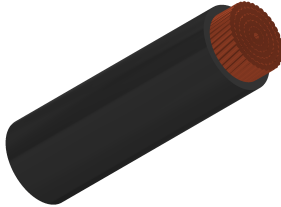
marketing@caledonian-cables.com

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

FGD100 07V-K 1C120 (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
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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 8mm²: 4 x overall diameter



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8mm² to 12mm²: 5 x overall diameter

Above 12mm²: 6 x overall diameter

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Overall Diameter (max.)	Approx. Weight
No. × mm ²		mm	mm	kg/km
1X120	5	1.6	20.2	1135



Rated voltage



BS EN 50525-3-31