



Caledonian

FIREGUARD Flame Retardant Power & Control Cables

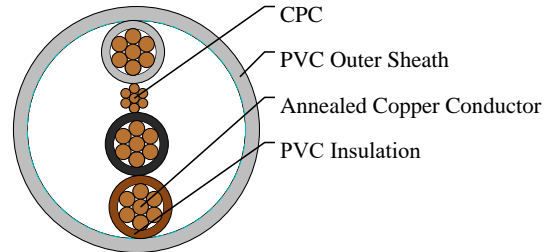
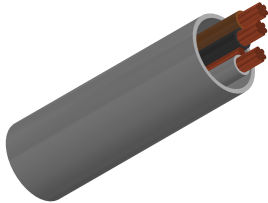
www.caledonian-cables.com

marketing@caledonian-cables.com

300/500V PVC Insulated, PVC Sheathed, Twin & Earth Cables (3 Cores)

FGD200-E 05VV-R 3C10 (CU/PVC/PVC 300/500V Class 2)

BS Code: 6243Y



APPLICATIONS

The 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 TUV approved.

STANDARDS

Basic design to BS 6004:2012

APPROVALS

TUV Certification (B 098200 0028 Rev.00)

FIRE PERFORMANCE

Flame Retardance (Single vertical wire or cable test)	BS EN 60332-1-2
---	-----------------

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductor: Annealed copper conductor, class 2 according to BS EN 60228.

Insulation: PVC Type TI 1 according to BS EN 50363-3.

Circuit Protective Conductor (CPC): Annealed plain copper (class 2).

Position of CPC: Centrally placed between cores in same plane.

Outer Sheath: PVC Type 6 according to BS 7655-4.2.

Outer Sheath Option: UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option. Compliance to fire performance standard (IEC 60332-1, IEC 60332-3, UL 1581, UL 1666 etc) depends on the oxygen index of the PVC compound and the overall cable design. LSPVC can also be provided upon request.

COLOUR CODE

Insulation Colour: brown, black (centre core), and grey.

Sheath Colour: Grey; other colours can be offered upon request.



Caledonian

FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

PHYSICAL AND THERMAL PROPERTIES

Maximum temperature range during operation (PVC): 70°C

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

Minimum bending radius: 6 x Overall Diameter

Electrical Properties

Conductor Operating Temperature: 70°C

Ambient Temperature: 30°C

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Cross- sectional Area of CPC	Class of CPC	Nominal Sheath Thickness	Overall Diameter (max.)	Approx. Weight
No. × mm ²		mm	mm ²		mm	mm	kg/km
3×10	2	1	4	2	1.2	9.5×25.7	540



Rated voltage



BS 6004



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