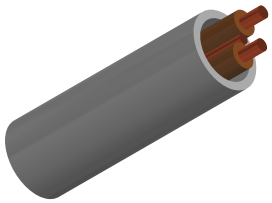
Caledonian

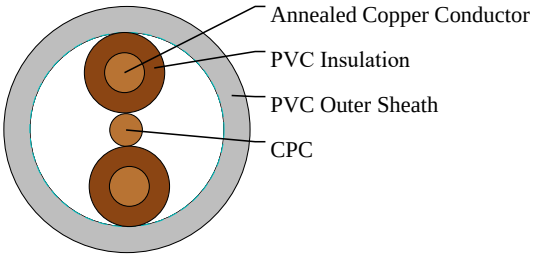
FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.com marketing@caledonian-cables.com

300/500V PVC Insulated, PVC Sheathed, Twin & Earth Cables (2 Cores)

FGD200-E 05VV-U 2C1.5 (CU/PVC/PVC 300/500V Class 1)
BS Code: 6242Y





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 1 according to BS EN 60228.
Insulation: PVC Type TI 1 according to BS EN 50363-3.
Circuit Protective Conductor (CPC): Annealed plain copper (class 1).
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 and brown.
Position of CPC: Centrally placed between cores in same plane.

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

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.×mm²		mm	mm²		mm	mm	kg/km
2x1.5	1	0.7	1	1	0.9	5.3x9.7	85

Rated voltage

BS 6004


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