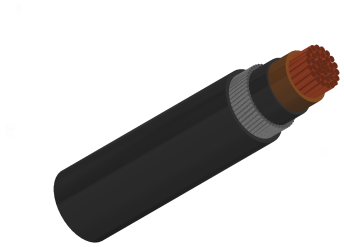
Caledonian

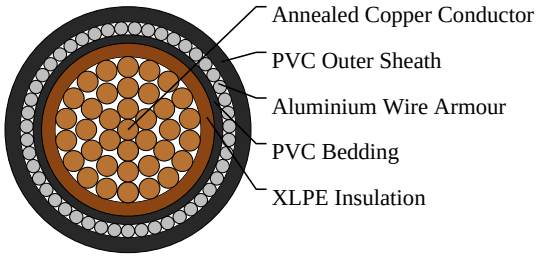
FIREGUARD Flame Retardant Power & Control Cables

www.caledonian-cables.co.uk sales@caledonian-cables.co.uk

600/1000V XLPE Insulated, PVC Sheathed, Armoured Power Cables to BS 5467 (Single Core)

FGD300 1RVMAV-R (CU/XLPE/PVC/AWA/PVC 600/1000V Class 2)
BS Code: 6941X





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 5467

APPROVALS

TUV Certification (Z1 17 01 98200 003)

FIRE PERFORMANCE

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

VOLTAGE RATING

600/1000V

CABLE CONSTRUCTION

Conductor: Annealed copper wire, stranded according to BS EN 60228 class 2.
Insulation: Extruded XLPE GP 8 according to BS 7655-1.3.
Bedding: PVC or polymeric compound.
Armouring: Aluminium wire
Outer Sheath: PVC Type 9 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 or blue
Sheath Colour: Black, other colours can be offered upon request.

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PHYSICAL AND THERMAL PROPERTIES

Maximum temperature range during operation (XLPE): 90°C
Maximum short circuit temperature (5 Seconds): 250°C
Minimum bending radius:
Circular copper conductors: 6 x Overall Diameter
Shaped copper conductors: 8 x Overall Diameter

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Nominal Dia. over Bedding	Nominal Sheath Thickness	Nominal Steel Wire Armour Diameter	Approx. Overall Diameter	Approx. Weight
No.×mm²		mm	mm	mm	mm	mm	kg/km
1x185	2	1.6	1	1.8	1.6	30	2320

Rated voltage

BS 5467


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