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

FGD200-E 05VV-R 3C6 (CU/PVC/PVC 300/500V Class 2)
BS Code: 6243Y

CPC
Annealed Copper Conductor
PVC Outer Sheath
PVC Insulation
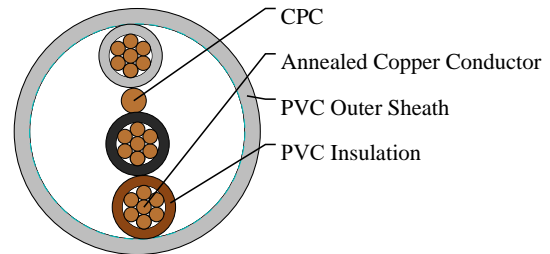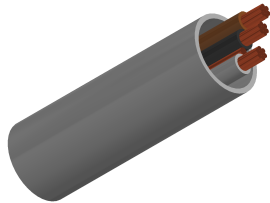
APPLICATIONS

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 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, black (centre core), and grey.
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
3x6	2	0.8	2.5	1	1.1	7.8x20.2	340

300/500V

Rated voltage

N

BS 6004

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