

Fire Resistant Cable, MICA TAPE/XLPE/LSHF Sheath

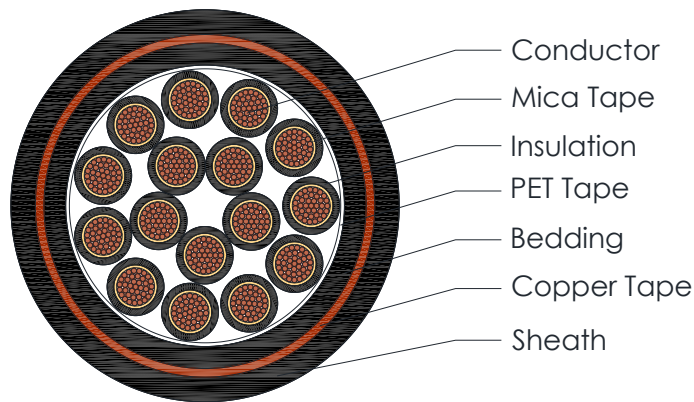


C I 5336

Applications

Multi cores cable 600/1000 V, of soft annealed stranded plain Copper conductors, banded with mica tape, insulated by cross linked polyethylene (XLPE) suitable for maximum operating temperature of 90°C, Cores are assembled together, then extruded by low smoke halogen free (LSHF) as an inner covering, screened with copper tape, then extruded by low smoke halogen free (LSHF) as an outer sheath.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Fire Barrier	Mica Tape
Insulation	Cross Linked Polyethylene (XLPE) Black with White number
Wrapping Tape	PET Tape
Bedding	Low Smoke Halogen Free (LSHF)
Screen	Overlapped Copper Tape
Sheath	Low Smoke Halogen Free (LSHF) Standard colour: Black
Standard Put Up Length	305 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Fire Resistant Cable, MICA TAPE/XLPE/LSHF Sheath



C15336

Physical Characteristics

Part Number	C15336
No of cores x cross section (mm ²)	16 x 1.0
Conductor Shape	Circular
Nom. Radial Thickness Insulation (mm)	0.7
Nom. PET Tape Thickness (mm)	0.05
Nom. Radial Thickness Bedding (mm)	1.0
Nom. Copper Tape Thickness (mm)	0.1
Nom. Copper Tape overlap (%)	10
Nom. Radial Thickness Sheath(mm)	1.5
Nom. Overall Diameter(mm)	23.5
Nominal Cable Weight (kg/km)	634
Bending Radius (mm)	188

Electrical Characteristics at 20°C

Part Number	C15336
Cross section (mm ²)	16.0
Service Initial Conditions	
Air Temperature (°C)	40
Normal Operation Electrical Parameters	
Max. Operating Temp. in conductor (°C)	90
Conductor DC resistance at 20°C (Ohm/km)	18.1
Conductor AC resistance at max. operating temp.& 50Hz (Ohm/km)	23.1
Short circuit Operation Electrical Parameters	
Max. Conductor Temp during short circuit (°C)	250
Conductor short circuit current for 1sec (KA)	0.143
Max. Operating Voltage (Vrms)	600/1000

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60502-1
IEC 60331
RoHS directives