



Date: 9 Mar 2010

Part No.: PP80207

0.6/1KV Multi-core

Mica & XLPE Insulated Steel Wire Armored FRPVC Jacket Cable

Application:

Power cables are multi conductor cables which convey low energy electrical signals used for monitoring or controlling electrical power systems and their associated processes. Instrumentation cables convey signals from process monitors to process analyzers (usually electronics equipment) and from the analyzers to control equipment in the electric power system.

Construction:

Conductor: Stranded plain copper conductor.

Insulation: Conductors are insulated with Mica fire resisting tape and XLPE.

Inner Jacket: FRPVC compound

Armor: Galvanized steel wire armor

Sheathing: An outer protection of FRPVC compound is applied over the armor. Sheath color: Black.

Standard: BS5467, IEC60331, IEC60332-3

Packing: The cables are delivered on non-returnable wood drums.

Mechanical Properties:

Voltage rating: 0.6/1kV

Temperature rating -15°C to 90 °C

Bending radius (static): Circular conductor $r = 6D$

Shaped conductor $r = 8D$

Minimum bending radius during installation: 12 x Overall Diameter

Flexibility: Rigid



Cable Size:

Conductor Size	Thickness of insulation nom. (mm)	Diameter under armor nom. (mm)	Nominal steel armor wire diameter nom. (mm)	Thickness of over sheath nom. (mm)	Overall Diameter approx. (mm)
3C					
2.5mm ² (7/0.67mm)	0.7	12.2	0.9	1.4	16.8
6.0mm ² (7/1.04mm)	0.7	15.4	0.9	1.4	20.0
10.0mm ² (7/1.35mm)	0.7	17.2	0.9	1.4	21.8
4C					
10.0mm ² (7/1.35mm)	0.7	18.5	1.25	1.5	24.0
25.0mm ² (7/2.14mm)	0.9	23.9	1.6	1.7	30.5
50.0mm ² (19/1.78mm)	1.0	32.0	1.6	1.9	39.0

The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.