

FINOLEX CABLES LIMITED, PUNE, INDIA.

GENERAL TECHNICAL PARTICULARS

Sr. No.	Description (Cores x SQmm)	19C x 1.50
1	GENERAL	
1.1	Name of Manufacture	Finolex Cables Ltd.,Pune,India.
1.2	Type of Cable	PVC Insulated,PVC Sheathed Multicore Round Flexible Cables.
1.3	Voltage Grade	1100 VOLTS
1.4	Standards Applicable	IS 694 : 2010
2	CONDUCTOR	
2.1	Material	Bright Plain Annealed High Conductivity Copper Conductor as per Class 5 of IS 8130 : 2013.
2.2	Shape	Circular
2.3	Nom. Cross Sectional Area (SQ.mm.)	1.50
2.4	Max. Conductor Resistance @ 20°C_Ω/kms	13.30
3	INSULATION	
3.1	Material	TYPE-D as per IS 5831 : 1984
3.2	Insulation Colors	Yellow-02,Grey-13, Blue-03, Yellow /Green-01
3.3	Thickness (Nom.mm)	0.60
3.4	Approx. Diameter (mm)	2.65
4	SHEATH	ST- 3 as per IS 5831 : 1984
4.1	Material	Flame Retardant (FR) PVC
4.2	Color	Black
4.3	Thickness in mm (Nom.)	1.30
4.4	Approx. Cable Diameter in mm	16.20
5	Physical Properties for Insulation & Sheath	as per IS 5831 : 1984
5.1	Tensile Strength	Minimum 10.0 N/mm ²
5.2	Elongation at Break	Minimum 150%
6	FR Properties for Sheath	
6.1	Flammability Test	Burning period after removal of Flame shall not exceed 60 sec & unaffected portion from the lower edge of the top clamp shall be at least 50 mm
6.2	Critical Oxygen Index	The Oxygen index shall not be less than 29 %
6.3	Temperature Index	The minimum measured value of temperature Index shall be 250°C at which Oxygen Index is 21 %

For,

Finolex Cables Ltd.,Urse,Pune.