



Images not to scale. Follow table for dimensions

APPLICATION

POLYFLEX CLASSIC 100 CY, fine wire flexible copper conductor, PVC insulated and sheathed screened cable is designed to use in Industrial application such as plant engineering, industrial machinery, heating and air conditioning system, conveyor and transport system, servo drives and also in EMC sensitive environment.

CHARACTERISTICS

Voltage Rating

U0/U: 450/750 V

Operation Temperature

-15°C to +70° C

CONSTRUCTION

- Conductor: Class 5 Bare Copper conductor according to IEC 60228/VDE 0295
- Insulation: Inhouse developed PVC compound
- Laid up: Cores laid up
- Inner sheath: Inhouse developed PVC inner sheath. Colour: Grey
- Braiding: Tinned copper braiding
- Sheath: Inhouse developed PVC compound. Colour: Transparent

Core Identification

Upto 5 core colour code is according to VDE 0293-308
From 6 core colour code is according to annexure 1

Bending Radius

Fixed installation: 6 X D
Occasional flexing: 10 X D

OUTSTANDING FEATURES

- Flame retardant
- UV resistant
- Moisture resistant
- Low transfer impedance

STANDARD FOLLOWS

IEC 60228/VDE 0295
IEC 60227-7
BS EN 50525 (Part 2-51) 2011
BS EN 50525 (Part 2-31) 2011

COMPLIANCE

Conductor resistance	IEC 60228
Flame retardant	IEC 60332-1-2

Test Voltage

Voltage test on complete cable at 3500 V

OUR ACCREDITATIONS



Dimensional Characteristics:

Product Code	No. of Cores x Area	Nominal Overall diameter	Weight	Product Code	No. of Cores x Area	Nominal Overall diameter	Weight
Approx.				Approx.			
	No. x sq.mm.	mm	Kg/km		No. x sq.mm.	mm	Kg/km
LVBS06CYTBYF002C1.5S	2 X 1.5	9.8	159.1	LVBS06CYTBYF003C016S	3 G 16.0	20.5	904.5
LVBS06CYTBYF003C1.5S	3 G 1.5	10.3	180.8	LVBS06CYTBYF004C016S	4 G 16.0	22.5	1119.6
LVBS06CYTBYF004C1.5S	4 G 1.5	11.3	217.3	LVBS06CYTBYF005C016S	5 G 16.0	25	1291.1
LVBS06CYTBYF005C1.5S	5 G 1.5	12.3	238.5	LVBS06CYTBYF003C025S	3 G 25.0	24.5	1321.5
LVBS06CYTBYF007C1.5S	7 G 1.5	13.3	290.8	LVBS06CYTBYF004C025S	4 G 25.0	27.3	1691.8
LVBS06CYTBYF003C2.5S	3 G 2.5	11.9	246.9	LVBS06CYTBYF005C025S	5 G 25.0	30	1895.8
LVBS06CYTBYF004C2.5S	4 G 2.5	13.2	306.4	LVBS06CYTBYF003C035S	3 G 35.0	27.5	1760.5
LVBS06CYTBYF005C2.5S	5 G 2.5	14.6	352.7	LVBS06CYTBYF004C035S	4 G 35.0	30.5	2227.8
LVBS06CYTBYF007C2.5S	7 G 2.5	15.9	431.6	LVBS06CYTBYF005C035S	5 G 35.0	33.6	2506.3
LVBS06CYTBYF004C004S	4 G 4.0	14.8	415	LVBS06CYTBYF003C050S	3 G 50.0	32.1	2434.2
LVBS06CYTBYF005C004S	5 G 4.0	16.4	503.1	LVBS06CYTBYF004C050S	4 G 50.0	35.6	3079.4
LVBS06CYTBYF004C006S	4 G 6.0	16.4	533.7	LVBS06CYTBYF004C070S	4 G 70.0	40.8	4194.5
LVBS06CYTBYF005C006S	5 G 6.0	17.9	588.1	LVBS06CYTBYF004C095S	4 G 95.0	46.7	5458.1
LVBS06CYTBYF003C010S	3 G 10.0	17.9	653.2	LVBS06CYTBYF004C120S	4 G 120.0	50.9	6710
LVBS06CYTBYF004C010S	4 G 10.0	19.8	815	LVBS06CYTBYF004C150S	4 G 150.0	56.2	8268.7
LVBS06CYTBYF005C010S	5 G 10.0	21.6	901.3	LVBS06CYTBYF004C185S	4 G 185.0	62	10011.8

Above values are approximate and subject to standard manufacturing tolerance