



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB 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: 300/500 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
VDE 0281 Part-13

COMPLIANCE

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

Test Voltage

Voltage test on complete cable at 2000 V

OUR ACCREDITATIONS



Dimensional Characteristics:

Product Code	No. of Cores x Area	Nominal Overall diameter	Weight
		Approx.	
	No. x sq.mm.	mm	Kg/km
LVBS04CYTBYF002C0.5S	2 X 0.5	7.4	89.1
LVBS04CYTBYF003C0.5S	3 G 0.5	7.7	98.2
LVBS04CYTBYF004C0.5S	4 G 0.5	8.2	111.8
LVBS04CYTBYF005C0.5S	5 G 0.5	8.7	119.1
LVBS04CYTBYF007C0.5S	7 G 0.5	9.2	137.9
LVBS04CYTBYF002C.75S	2 X 0.75	7.8	101
LVBS04CYTBYF003C.75S	3 G 0.75	8.2	112.7
LVBS04CYTBYF004C.75S	4 G 0.75	8.7	129.6
LVBS04CYTBYF005C.75S	5 G 0.75	9.2	138.7
LVBS04CYTBYF007C.75S	7 G 0.75	9.8	162.8
LVBS04CYTBYF002C001S	2 X 1.0	8.2	111.9
LVBS04CYTBYF003C001S	3 G 1.0	8.5	126.1
LVBS04CYTBYF004C001S	4 G 1.0	9.1	146.1

Product Code	No. of Cores x Area	Nominal Overall diameter	Weight
		Approx.	
	No. x sq.mm.	mm	Kg/km
LVIS04CYTBYF005C001S	5 G 1.0	9.7	156.9
LVIS04CYTBYF007C001S	7 G 1.0	10.5	192
LVIS04CYTBYF003C1.5S	3 G 1.5	9.4	158.1
LVIS04CYTBYF004C1.5S	4 G 1.5	10.1	185.4
LVIS04CYTBYF003C2.5S	3 G 2.5	10.8	214.6
LVIS04CYTBYF004C2.5S	4 G 2.5	11.8	262
LVIS04CYTBYF004C004S	4 G 4.0	13.4	363.4
LVIS04CYTBYF004C006S	4 G 6.0	16.6	537.1
LVIS04CYTBYF004C010S	4 G 10.0	19.7	809.9
LVIS04CYTBYF004C016S	4 G 16.0	22.3	1103.4
LVIS04CYTBYF004C025S	4 G 25.0	26.6	1647.3
LVIS04CYTBYF004C035S	4 G 35.0	29.5	2150.4
LVIS04CYTBYF004C050S	4 G 50.0	34.2	2957

Above values are approximate and subject to standard manufacturing tolerance