



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB CLASSIC 110 CY, fine wire flexible copper conductor, PVC insulated, Tinned copper wire braiding with transparent PVC outer sheath is designed to use for Plant engineering, Industrial machinery, Heat & air-conditioning system. Also suitable for conveyor & transport system and EMC (Electromagnetic compatibility) sensitive environment.

## CHARACTERISTICS

**Voltage Rating**  
U0/U: 300/500 V

**Operation Temperature**  
-15°C to + 90° C

## CONSTRUCTION

- Conductor: Fine wire stranded bare copper conductor as per IEC 60228/VDE 0295, class 5
- Insulation: In-house developed special PVC compound
- Laid up: insulated core laid suitably.
- Inner Sheath: PVC inner sheath (Colour: Grey)
- Sheath: In-house developed transparent PVC compound (Colour: Transparent)

## Core Identification

Black with white numbering according to VDE 0293-334

## Bending Radius

Occasional flexing 10 x Overall diameter  
Fixed installation 6 x Overall diameter

## Test Voltage

2 kV (completed cable)

## OUTSTANDING FEATURES

- Flame Retardant
- Ozone resistant
- UV resistant
- Electromagnetic compatibility

## STANDARD FOLLOWS

IEC 60228/VDE 0295  
BS EN 50525-2-51  
IEC 60227-5  
VDE 0281-13

## COMPLIANCE

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

## OUR ACCREDITATIONS



# POLY CAB CLASSIC 110 CY

## Screened Control Cable, 300/500 V AC

**POLY CAB**  
IDEAS. CONNECTED.

### Weight & Dimension Data

Product Code	No. of core and cross section area	Overall diameter (Approx.)	Weight (Approx.)	Product Code	No. of core and cross section area	Overall diameter (Approx.)	Weight (Approx.)
		n x mm <sup>2</sup>	mm	Kg/km		n x mm <sup>2</sup>	mm
							Kg/km
LDBS04CYUAYF1002C0.5S	2 X 0.5	6.8	78	LDBS04CYUAYF1002C01S	2 X 1	7.7	101
LDBS04CYUAYF1003C0.5S	3 G 0.5	7.1	87	LDBS04CYUAYF1003C01S	3 G 1	8.1	116
LDBS04CYUAYF1003C0.5S	3 X 0.5	7.1	87	LDBS04CYUAYF1003C01S	3 X 1	8.1	116
LDBS04CYUAYF1004C0.5S	4 G 0.5	7.7	101	LDBS04CYUAYF1004C01S	4 G 1	8.7	138
LDBS04CYUAYF1004C.5S	4 X 0.5	7.7	101	LDBS04CYUAYF1004C01S	4 X 1	8.7	138
LDBS04CYUAYF1005C0.5S	5 G 0.5	8.2	109	LDBS04CYUAYF1005C01S	5 G 1	9.4	150
LDBS04CYUAYF1005C0.5S	5 X 0.5	8.2	109	LDBS04CYUAYF1007C01S	7 G 1	10.2	180
LDBS04CYUAYF1007C0.5S	7 G 0.5	8.9	128	LDBS04CYUAYF1012C01S	12 G 1	13.4	304
LDBS04CYUAYF1007C0.5S	7 X 0.5	8.9	128	LDBS04CYUAYF1016C01S	16 G 1	14.8	377
LDBS04CYUAYF1012C0.5S	12 G 0.5	11.3	196	LDBS04CYUAYF1018C01S	18 G 1	15.5	416
LDBS04CYUAYF1012C0.5S	12 X 0.5	11.3	196	LDBS04CYUAYF1025C01S	25 G 1	18.3	556
LDBS04CYUAYF1018C0.5S	18 G 0.5	13.3	288	LDBS04CYUAYF1034C01S	34 G 1	20.8	712
LDBS04CYUAYF1025C0.5S	25 G 0.5	15.4	373	LDBS04CYUAYF1041C01S	41 G 1	22.5	832
LDBS04CYUAYF1030C.5S	30 G 0.5	16.3	421	LDBS04CYUAYF1050C01S	50 G 1	24.4	993
LDBS04CYUAYF1040C0.5S	40 G 0.5	18.4	538	LDBS04CYUAYF1002C1.5S	2 X 1.5	8.7	131
LDBS04CYUAYF1002C0.75S	2 X 0.75	7.2	89	LDBS04CYUAYF1003C1.5S	3 G 1.5	9.2	151
LDBS04CYUAYF1003C0.75S	3 G 0.75	7.6	101	LDBS04CYUAYF1003C1.5S	3 X 1.5	9.2	151
LDBS04CYUAYF1003C0.75S	3 X 0.75	7.6	101	LDBS04CYUAYF1004C1.5S	4 G 1.5	10	181
LDBS04CYUAYF1004C0.775S	4 G 0.75	8.2	119	LDBS04CYUAYF1004C1.5S	4 X 1.5	10	181
LDBS04CYUAYF1004C0.75S	4 X 0.75	8.2	119	LDBS04CYUAYF1005C1.5S	5 G 1.5	10.8	197
LDBS04CYUAYF1005C0.75S	5 G 0.75	8.8	129	LDBS04CYUAYF1005C1.5S	5 X 1.5	10.8	197
LDBS04CYUAYF1005C0.75S	5 X 0.75	8.8	129	LDBS04CYUAYF1007C1.5S	7 G 1.5	12	246
LDBS04CYUAYF1007C0.75S	7 G 0.75	9.5	154	LDBS04CYUAYF1007C1.5S	7 X 1.5	12	246

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Product Code	No. of core and cross section area	Overall diameter (Approx.)	Weight (Approx.)	Product Code	No. of core and cross section area	Overall diameter (Approx.)	Weight (Approx.)
		n x mm <sup>2</sup>	mm	Kg/km		n x mm <sup>2</sup>	mm
							Kg/km
LDBS04CYUAYF1007C0.75S	7 X 0.75	9.5	154	LDBS04CYUAYF1012C1.5S	12 G 1.5	15.6	408
LDBS04CYUAYF1012C0.75S	12 G 0.75	12.4	245	LDBS04CYUAYF1018C1.5S	18 G 1.5	18.4	574
LDBS04CYUAYF1012C0.75S	12 X 0.75	12.4	245	LDBS04CYUAYF1025C1.5S	25 G 1.5	21.4	759
LDBS04CYUAYF1018C0.75S	18 G 0.75	14.4	351	LDBS04CYUAYF1034C1.5S	34 G 1.5	24.8	1022
LDBS04CYUAYF1018C0.75S	18 X 0.75	14.4	351	LDBS04CYUAYF1041C1.5S	41 G 1.5	26.8	1196
LDBS04CYUAYF1025C0.75S	25 G 0.75	16.7	458	LDBS04CYUAYF1050C1.5S	50 G 1.5	28.9	1409
LDBS04CYUAYF1034C0.75S	34 G 0.75	19.2	595	LDBS04CYUAYF1002C2.5S	2 X 2.5	10.2	180
LDBS04CYUAYF1040C0.75S	40 X 0.75	20	667	LDBS04CYUAYF1003C2.5S	3 G 2.5	10.8	212
LDBS04CYUAYF1041C0.75S	41 G 0.75	20.7	693	LDBS04CYUAYF1004C2.5S	4 G 2.5	12	263
LDBS04CYUAYF1018C0.75S	18 G 0.75	14.4	351	LDBS04CYUAYF1005C2.5S	5 G 2.5	13.2	303
LDBS04CYUAYF1018C0.75S	18 X 0.75	14.4	351	LDBS04CYUAYF1007C2.5S	7 G 2.5	14.3	371
LDBS04CYUAYF1025C0.75S	25 G 0.75	16.7	458	LDBS04CYUAYF1012C2.5S	12 G 2.5	18.9	605
LDBS04CYUAYF1034C0.75S	34 G 0.75	19.2	595	LDBS04CYUAYF1002C04S	2 X 4	12.5	268
LDBS04CYUAYF1040C0.75S	40 X 0.75	20	667	LDBS04CYUAYF1004C04S	4 G 4	14.6	404
LDBS04CYUAYF1041C0.75S	41 G 0.75	20.7	693	LDBS04CYUAYF1005C04S	5 G 4	16	441
LDBS04CYUAYF1002C06S	2 X 6	13.9	354	LDBS04CYUAYF1007C10S	7 G 10	24.5	1160
LDBS04CYUAYF1004C06S	4 G 6	14.6	469	LDBS04CYUAYF1002C16S	2 X 16	19.7	742
LDBS04CYUAYF1005C06S	5 G 6	16	522	LDBS04CYUAYF1004C16S	4 G 16	23.1	1134
LDBS04CYUAYF1007C06S	7 G 6	17.4	669	LDBS04CYUAYF1005C16S	5 G 16	25.8	1292
LDBS04CYUAYF1002C10S	2 X 10	17.1	537	LDBS04CYUAYF1004C25S	4 G 25	28.1	1718
LDBS04CYUAYF1003C10S	3 G 10	18.4	662	LDBS04CYUAYF1005C25S	5 G 25	31.2	1909
LDBS04CYUAYF1004C10S	4 G 10	20.2	818	LDBS04CYUAYF1004C35S	4 G 35	31.7	2269

POLY CAB CLASSIC 110 CY Screened Control Cable, 300/500V AC				POLY CAB IDEAS CONNECTED.			
Product Code	No. of core (ft)	Overall diameter	Weight (Kg/km)	Product Code	No. of core and cross section area	Overall diameter (mm)	Weight (Kg/km)
	cross section area	(Approx.)	(Approx.)		(Approx.)	(Approx.)	
	n x mm <sup>2</sup>	mm	Kg/km		n x mm <sup>2</sup>	mm	Kg/km
LDBS04CYUAYF1005C10S	5 G 10	22.2	899	LDBS04CYUAYF1005C35S	5 G 35	34.9	2513

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