



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB CLASSIC 110 SY, fine wire flexible copper conductor, PVC insulated, galvanised steel wire braiding with transparent PVC outer sheath is designed to use for Plant engineering, Industrial machinery, Heat & air-conditioning system. Fixed installation, non-continuously recurring movement without tensile load.

## 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)
- Screen: Galvanised steel wire braiding
- 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 60227-7

## COMPLIANCE

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

## OUR ACCREDITATIONS



**POLY CAB CLASSIC 110 SY  
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.)
LDBS04CYUAYF1002C0.5S	2 X 0.5	7.5	91	LDBS04CYUAYF1034C01S	34 G 1	20.8	705
LDBS04CYUAYF1003C0.5S	3 G 0.5	7.9	102	LDBS04CYUAYF1041C01S	41 G 1	22.5	825
LDBS04CYUAYF1004C0.5S	4 G 0.5	8.6	119	LDBS04CYUAYF1050C01S	50 G 1	24.4	985
LDBS04CYUAYF1005C0.5S	5 G 0.5	9.2	128	LDBS04CYUAYF1002C1.5S	2 X 1.5	9.5	148
LDBS04CYUAYF1007C0.5S	7 G 0.5	10	151	LDBS04CYUAYF1003C1.5S	3 G 1.5	10	171
LDBS04CYUAYF1010C0.5S	10 G 0.5	10.9	174	LDBS04CYUAYF1004C1.5S	4 G 1.5	10.9	205
LDBS04CYUAYF1012C0.5S	12 G 0.5	11.3	193	LDBS04CYUAYF1005C1.5S	5 G 1.5	12.1	227
LDBS04CYUAYF1014C0.5S	14 G 0.5	12	221	LDBS04CYUAYF1007C1.5S	7 G 1.5	13.3	291
LDBS04CYUAYF1018C0.5S	18 G 0.5	13.3	284	LDBS04CYUAYF1008C1.5S	8 G 1.5	14.8	336
LDBS04CYUAYF1021C0.5S	21 G 0.5	14	316	LDBS04CYUAYF1012C1.5S	12 G 1.5	15.6	403
LDBS04CYUAYF1025C0.5S	25 G 0.5	15.4	368	LDBS04CYUAYF1014C1.5S	14 G 1.5	16.4	456
LDBS04CYUAYF1030C0.5S	30 G 0.5	16.3	416	LDBS04CYUAYF1018C1.5S	18 G 1.5	18.4	569
LDBS04CYUAYF1040C0.5S	40 G 0.5	18.4	532	LDBS04CYUAYF1025C1.5S	25 G 1.5	21.4	752
LDBS04CYUAYF1061C0.5S	61 G 0.5	21.9	751	LDBS04CYUAYF1032C1.5S	32 G 1.5	23.7	928
LDBS04CYUAYF1018C0.75S	2 X 0.75	8	103	LDBS04CYUAYF1050C1.5S	50 G 1.5	28.9	1398
LDBS04CYUAYF1003C0.75S	3 G 0.75	8.4	117	LDBS04CYUAYF1003C2.5S	3 G 2.5	11.9	243
LDBS04CYUAYF1004C0.75S	4 G 0.75	9.1	138	LDBS04CYUAYF1004C2.5S	4 G 2.5	13.1	307
LDBS04CYUAYF1005C0.75S	5 G 0.75	9.8	148	LDBS04CYUAYF1005C2.5S	5 G 2.5	14.3	333
LDBS04CYUAYF1007C0.75S	7 G 0.75	10.6	177	LDBS04CYUAYF1007C2.5S	7 G 2.5	15.5	409

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**Screened Control Cable, 300/500 V AC**

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 IDEAS. CONNECTED.

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
LDBS04CYUAYF1009C0.75S	9 G 0.75	13.1	250	LDBS04CYUAYF1012C2.5S	12 G 2.5	18.9	599
LDBS04CYUAYF1012C0.75S	12 G 0.75	12.4	242	LDBS04CYUAYF1018C2.5S	18 G 2.5	22	833
LDBS04CYUAYF1015C0.75S	15 G 0.75	13.7	304	LDBS04CYUAYF1025C2.5S	25 G 2.5	26.1	1159
LDBS04CYUAYF1018C0.75S	18 G 0.75	14.4	346	LDBS04CYUAYF1003C04S	3 G 4	13.8	344
LDBS04CYUAYF1025C0.75S	25 G 0.75	16.7	453	LDBS04CYUAYF1004C04S	4 G 4	15	416
LDBS04CYUAYF1034C0.75S	34 G 0.75	19.2	589	LDBS04CYUAYF1005C04S	5 G 4	16.4	454
LDBS04CYUAYF1050C0.75S	50 G 0.75	22.3	805	LDBS04CYUAYF1007C04S	7 G 4	17.8	573
LDBS04CYUAYF1002C01S	2 X 1	8.4	116	LDBS04CYUAYF1004C06S	4 G 6	15	481
LDBS04CYUAYF1003C01S	3 G 1	8.9	133	LDBS04CYUAYF1005C06S	5 G 6	16.4	535
LDBS04CYUAYF1004C01S	4 G 1	9.6	157	LDBS04CYUAYF1007C06S	7 G 6	17.8	683
LDBS04CYUAYF1005C01S	5 G 1	10.4	170	LDBS04CYUAYF1004C10S	4 G 10	20.7	835
LDBS04CYUAYF1007C01S	7 G 1	11.3	205	LDBS04CYUAYF1005C10S	5 G 10	22.6	917
LDBS04CYUAYF1008C01S	8 G 1	12.8	244	LDBS04CYUAYF1007C10S	7 G 10	25.1	1209
LDBS04CYUAYF1009C01S	9 G 1	13.9	288	LDBS04CYUAYF1004C10S	4 G 16	23.6	1153
LDBS04CYUAYF1012C01S	12 G 1	13.4	300	LDBS04CYUAYF1005C16S	5 G 16	26.2	1313
LDBS04CYUAYF1014C01S	14 G 1	14.1	335	LDBS04CYUAYF1004C25S	4 G 25	28.6	1740
LDBS04CYUAYF1018C01S	18 G 1	15.5	411	LDBS04CYUAYF1005C25S	5 G 25	31.7	1936
LDBS04CYUAYF1020C01S	20 G 1	16.4	449	LDBS04CYUAYF1004C35S	4 G 35	32.2	2296
LDBS04CYUAYF1025C01S	25 G 1	18.3	550				

Suitable gland and connectors are available for all above sizes.