

Technical drawing of a cable assembly, showing a top view and a side view. The drawing includes dimensions and specifications for the cable, housing, and connector.

Top View:

- Overall diameter: $\phi 96$
- Inner diameter: $\phi 132$
- Four mounting holes: 4xM3, PCD116
- Angles: 45°

Side View:

- Overall length: 500
- Housing diameter: $\phi 132$
- Housing thickness: 22
- Internal chamfer: 15°
- Cable diameter: $\phi 4$
- Cable length: 20
- Label length: 60
- Connector length: 60

Specifications:

- Material: Aluminium Alloy / Glass Bead Blasted Black Anodizing
- Connector: M12 Male
- Label: Cable Label

Dimensions and Tolerances:

CLASS	STANDARD DIMENSION RANGE	LENGTH OF SHORTER SIDE OF ANGLE	PERPENDICULARITY TOLERANCE
L < 0.2	0.2 ≤ L ≤ 0.5	L ≤ 10	H
0.2 ≤ L ≤ 0.5	0.5 ≤ L ≤ 1.0	10 < L ≤ 50	K
0.5 ≤ L ≤ 1.0	1.0 ≤ L ≤ 3.0	50 < L ≤ 120	
1.0 ≤ L ≤ 3.0	3.0 ≤ L ≤ 6.0	120 < L ≤ 400	
3.0 ≤ L ≤ 6.0	6.0 ≤ L ≤ 30.0	400 < L	
6.0 ≤ L ≤ 30.0	30.0 ≤ L ≤ 100.0		
100.0 ≤ L ≤ 300.0	300.0 ≤ L ≤ 1000.0		
1000.0 ≤ L			

Notes:

- DESIGNED
- DRAWN
- CHECKED
- APPROVED
- SIGNATURE

Revision History:

MARK	COM-REV	DATE(YMD)	CHANGE	SIGNATURE
1	A-002	2025.May.29	Completely revised	Suzuki
A-001	2019.Oct.16	NEW		-

Approval:

DESIGNED: xianghui liu DRAWN: xianghui liu CHECKED: 土門 APPROVED: 達

Stamp: MORITEX A Cognex Company

Model Name: CV-RLA-132X96-15W-M12

Part Name: OUTLINE DRAWING

Drawing No.: A21796A0100701A-002

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