

Status: 05/2023



Cable marking
using wrap-around labels



WICON

DE KONINGH



CODING · LABELING · INSPECTION

WICON wrap-around applicator



Cylindric items of diameters 2 mm to 16 mm, such as single wires, strands, cables, hoses, tubes or round rods, can be labeled with the wrap-around applicator.

Transparent laminate covers data blocks and protects them persistently from dust and wear.

Items are inserted in horizontal orientation and centered by panels. Printing a label and wrapping it around an item takes 1.8 to six seconds, depending on the number of wrap-arounds.

Operation starts as soon as an item has been inserted. It may be triggered also by a foot switch, a data interface or an I/O interface. A label is printed and then picked up by the applicator. The diameter of an item is identified on the wrapper head. The size of a label determines how many times it will be wrapped around the item.

A finger guard covering the feed opening prevents items from being inserted or removed while wrap-arounds are in process.

Operations require materials been guided centered on a printer, as well as a slim print roller.

Only wrap-around labels provided by cab guarantee reliable applications. Make sure item surfaces are clean and free of lubricants.

cab recommends specific materials, in particular small diameters of 2 mm to 3 mm, be tested at the factory.



Pivoting the applicator allows label rolls or ribbons been replaced easily.

A service door enables access to the wrapper head in cases of errors, such as label jams.

Technical data

Wrap-around applicator			WICON
Item	Diameter	mm	2.0 - 16.0
	Length	mm at least	132
	Centering panel distant to left and right	mm	124
	Label margin distant to centering panel	mm	12.7
	Label margin distant to edge of item by stop	mm	25 - 100
	Deflection related to a length of 124 mm	mm	max. 1
Label	Width	mm	12.7 - 50.8
	Height	mm	19.1 - 70.0
Applicator	Cycle time printing and applying or applying and printing	s	1.8 - 6
	Number of wrap-arounds		2 - 10
	Speed of wrapping	u/sec	3.0
	Initial percentage of speed of wrapping	%	10 to 100
	Wrapper position	mm	-2
Start	automatically, as soon as an item has been inserted by hand		
	or via data interface		
	or via I/O interface		



Label margins are at least 12.7 mm distant to the outside of the centering panel. Moving the applicator aligns the outside of a liner material to the marking.



Label printer		SQUIX 4/MP	
Materials guided on the printer		centered	
Print method		Thermal transfer	
Print resolution	dpi	300	600
Print speed	mm/s max.	200	150
Print width	mm max.	105.7	
Finishing	Roll diameter	mm max.	205
	Core diameter	mm	76

Items can be aligned 25 mm to 100 mm distant to the margin of a label using a stop.

- The stop can be rotated by 180°.
- Narrow side with small item diameters
- Wider side with item diameters 5 mm or more

Pos.	Part no.	Label printer	Pos.	Part no.	Applicator
1.1	 5977007	SQUIX 4/300MP label printer	3.1	 5988000	WICON wrap-around applicator Included in the accessory pack are - DR4-M60 print roller - WICON peel-off plate
	5977008	SQUIX 4/600MP label printer			



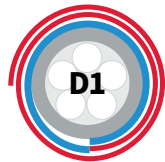
WL V2 wrap-around labels

Labels can be removed from the peel-off plate of a printer by hand or transferred by the wrap-around applicator directly to items.

With labels 19.1 mm to 63.5 mm high (H), item diameters 2 mm to 16 mm can be labeled. If using labels 70 mm high, the item diameter must be 6 mm or more.

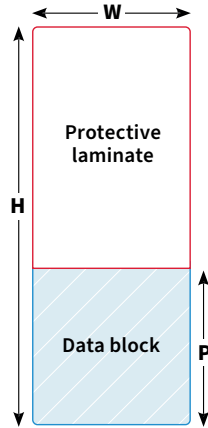
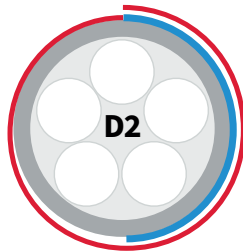
All-around labeling

Up to the **D1** diameter value, a data block captures the circumference of an item.



Partial labeling

Up to the **D2** diameter value, protective laminate captures a data block.



The material properties of the wrap-around labels precisely match with automated labeling with WICON, so does the method of manufacture. cab does not provide any functional guarantee with third-party labels. Make sure item surfaces are clean and free of lubricants.

cab recommends specific materials, in particular small diameters of 2 mm to 3 mm, be tested at the factory.

Part no.	Data block color	Product Ø		Label width W mm	Label height H mm	Data block height P mm	No. of labels per roll	PU 1 Rolls	PU 2 Rolls in cardboard box
		D1 mm	D2 mm						
5780138.130	white	2.0	4.0	12.7	19.1	6.4	7,450	1	20
5780139.130	white	2.0	4.0	25.4	19.1	6.4	7,450	1	20
5780140.130	white	3.0	5.0	25.4	25.4	9.5	5,800	1	20
5780146.130	white	4.0	8.0	12.7	38.1	12.7	4,000	1	20
5780147.130	white	4.0	8.0	19.1	38.1	12.7	4,000	1	20
5780148.130	white	4.0	8.0	25.4	38.1	12.7	4,000	1	20
5780149.130	white	4.0	8.0	50.8	38.1	12.7	4,000	1	10
5780151.130	white	6.0	14.0	25.4	63.5	19.1	2,450	1	20
5780153.130	white	6.0	14.0	38.1	63.5	19.1	2,450	1	10
5780154.130	white	6.0	16.0	25.4	70.0	19.1	2,250	1	20
5780155.130	white	6.0	16.0	50.8	70.0	19.1	2,250	1	10

Further sizes and colors can be provided upon request, so can labels free of halogen.

Ribbons

One ribbon roll serves for printing two rolls of wrap-around labels.



Part no.	PU 1 Roll	PU 2 Rolls in cardboard box	Width mm	Length m
5557402.133	1	-	55	360
5557402.133	-	10	55	360

Material R71 resin, black, color side in

Material	Vinyl (PVC)
Thickness	80 µm
Adhesive	permanent
Application temperature	+15 to +35 °C
Service temperature	-40 to +80 °C
	relative humidity of 60 to 85%
Operation	indoor, outdoor
Resistances	water, dirt, petrol, oils, alcohol, detergents, UV light
Approvals	UL 969 in preparation
Roll finishing	Outside ø max. 205 mm Core ø 76 mm

Scopes of delivery, designs and technical data correspond to the date of this publication. They are subject to change.

Checklist for WICON wrap-around applicator

Customer / Customer no. _____

Contact _____

Phone _____

Street _____

Zip code / City _____

Email _____

Date of issue _____

Target date _____

Project owner _____

Project control _____

Configurator no. _____
(filled in by cab)

1. Application

- Labeling of cables in a control cabinet
- Labeling of cables during assembly
- Others _____
- Application temperature _____
- Service temperature _____

2. Product

Product name _____

Product diameter from _____ to _____

3. Have wrap-around labels been already in use?

- yes no

4. If yes, how are labels applied?

- by hand automatically

5. Wrap-around labels in use so far

Pos.	Label		Data block		Quantity Pieces per year
	Width	Height	Height	Color	
1					
2					
3					
4					

Material _____

halogen-free required yes no

UL-certification required yes no

Notes

Filled in by cab:

Practicable yes no

Name _____

Phone _____

Email _____

Date _____ Signature _____

6. Prepare an offer for

Pos.	Part no.	Description	Quantity
1.1	5977007	SQUIX 4/300MP label printer	
1.2	5977008	SQUIX 4/600MP label printer	
2	5988000	WICON wrap-around applicator	

cab wrap-around labels Material _____

Pos.	Part no.	Label		Labels per roll	Quantity Rolls
		Width	Height		
1					
2					
3					
4					

Ribbons Width 55 mm / length 360 m
R71 resin, black, color side in

Pos.	Part no.	PU 1 roll	PU 2 rolls per box	Number of rolls
1	5557402.137	1	-	
2	5557402.133	-	10	

One ribbon roll serves for printing
two rolls of wrap-around labels.

**Customer approval required after
check of practicability:** yes no

Name _____

Phone _____

Email _____

Date _____ Signature _____