

Traceability requirements on product labels CSG for customer Ericsson

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REVISION HISTORY

Rev	Description	Datum	Rev'd by
A	Initial Release	30.08.2007	W. Moonen
B	Updated with additional pictures	20.03.2008	H. van Leeuwen
B1	Added extra pictures	07.04.2008	H. van Leeuwen
C	Updated with instructions for wrap around label	09.09.2008	H. van Leeuwen
D	Updated with instructions for outside package label	26.04.2010	W. Moonen
D1	Corrected typographical error in paragraph 7.2.1	10.05.2010	W. Moonen
D2	Added manufacturing location Ukraine CN4	20.08.2010	W. Moonen
E	Corrected text in par 7, corrected par 7.2 labeling to add readable text. Added par 8 packaging,	18.04.2012	W. Moonen
F	Added T.A. on wrap around label in par 6.1 and added new picture. Par 7.2: corrected picture and reference to barcode printing. Added 12D datecode	21.12.2012	W. Moonen
G	Update 2D symbol data	16.03.2015	Qi Leo

Qi Leo

DATE 16 Mar 2015

1 OBJECTIVE

Provide requirements on 'flag labels' 'wrap around labels' and "outside packaging labels" that are used as identity marking on cable assemblies for customer Ericsson and its first tier suppliers. Paragraph 5 is about flag labels, paragraph 6 is about wrap around labels, paragraph 7 is about outside packaging labels.

2 SCOPE

This procedure is applicable to all manufacturing sources where cable assemblies for Ericsson are produced.

3 REFERENCES

Ericsson marking instructions 102 01-113, 10201-BYB501 and 102 01-107.

4 REQUIREMENTS

The manufacturing source is responsible for printing correct information on the label and attaching the label correctly to the cable assembly.

In case of relabeling at another site than the original manufacturing source, all the information on the original manufacturing source and manufacturing date needs to be on new label as well. Dimensional requirements on the (position of) the new label need to be fulfilled.

The site that re-labels has to keep file on all relabeled assemblies (including quantities and possible remarks). This information needs to be communicated to the original site as well.

5 INSTRUCTIONS FOR FLAG LABEL

For each cable assembly where flag labels are required, one of the following labels has to be used:

- PN 0-1294995-1 or 7-1768813-1, Ericsson part number LZF 083 278/1 (3-1569161-1 for Chinese prod.).
- PN 0-1652799-1 or 4-1768812-4, Ericsson part number LZF 083 278/3.

5.1 Printing

Printer resolution 300 dpi

Font size: 7 (Arial Narrow or Triumvirate Condensed)

The label has to be printed according the lay-out as shown containing:

1. Product number and revision state (bold)
2. Product name.
3. Date of production (bold) ^{*1)}
4. Manufacturing unit (bold)^{*2)}
5. Letters T.A. (Test Approved in bold)
6. Supplier Batch/lot number (bold)^{*3)}
7. Country of origin in full English name
8. Ericsson Logo in font size 10.



LZF 083 278/1



LZF 083 278/3

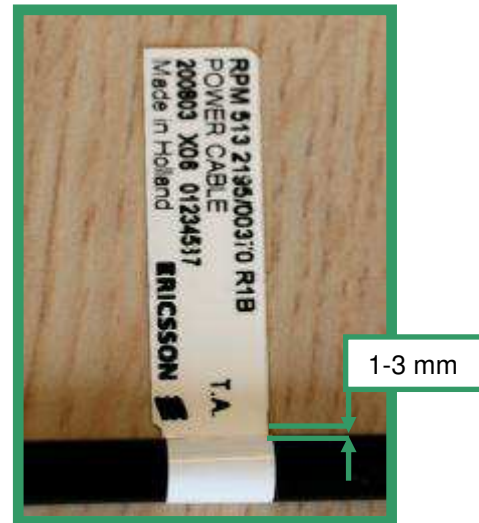
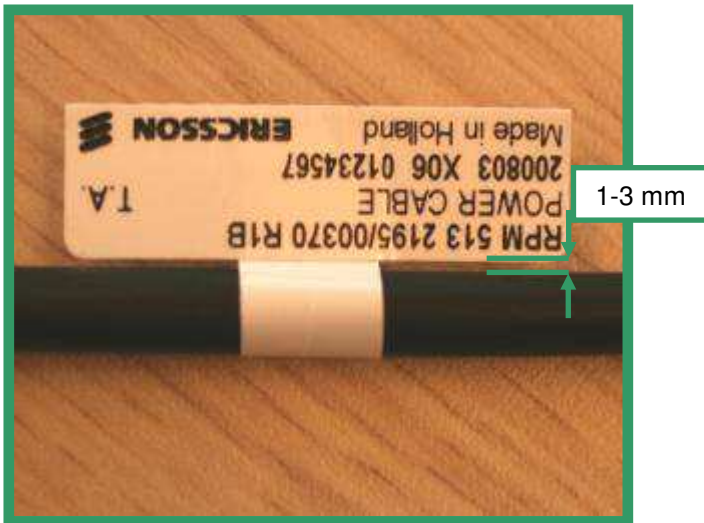
Notes:

^{*1)} Date of production format YYYY/MM/DD (12D) or YYYY/WW (11D) depending on traceability requirements.

^{*2)} Manufacturing unit code is given on the attachment, which is supplier specific.

The administration of these manufacturing unit codes and the distribution of the supplier specific attachments are done by CC&CE Cable Systems Group of Tyco Electronics Netherlands

^{*3)} Supplier Batch/lot number is a free to choose series of numbers that the Manufacturing Unit can use to guarantee traceability.



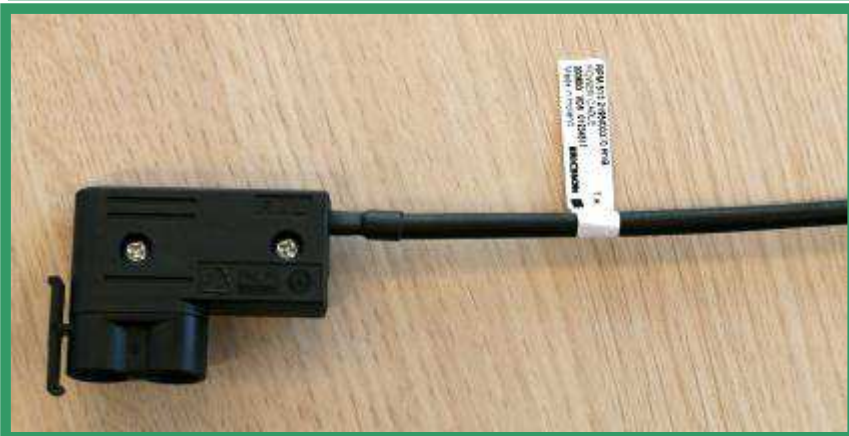
Gap between label and cable must be 1-3 mm. Label must be placed parallel with cable.



Orientation of label must be at 12 o'clock.



Orientation of label must be at 6 or 12 o'clock, depending on production drawing.



Orientation of label must be at 6 or 12 o'clock, depending on production drawing.

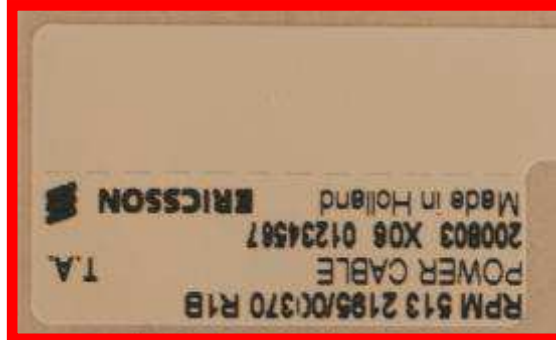
5.3 Rejections

All situations displayed in these sub paragraphs are unacceptable.

5.3.1 Printing errors



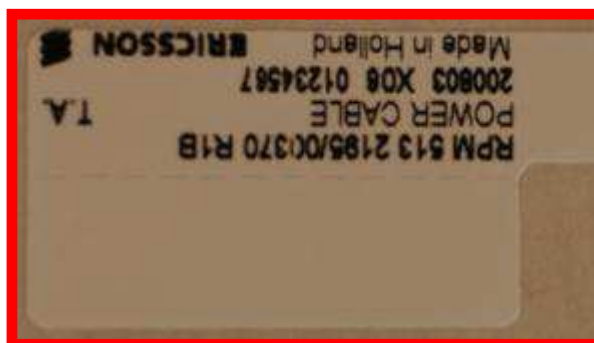
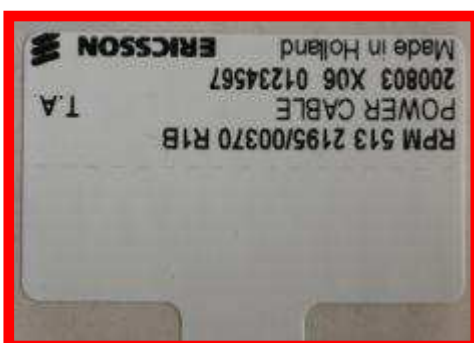
OK



Both pictures: Text is up side down, printed on lower area instead of upper area.



Both pictures: Printed on lower area instead of upper area.

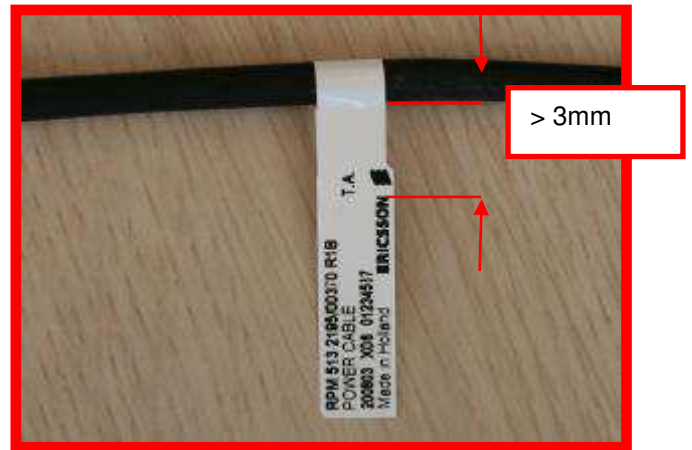


Printed up side down.

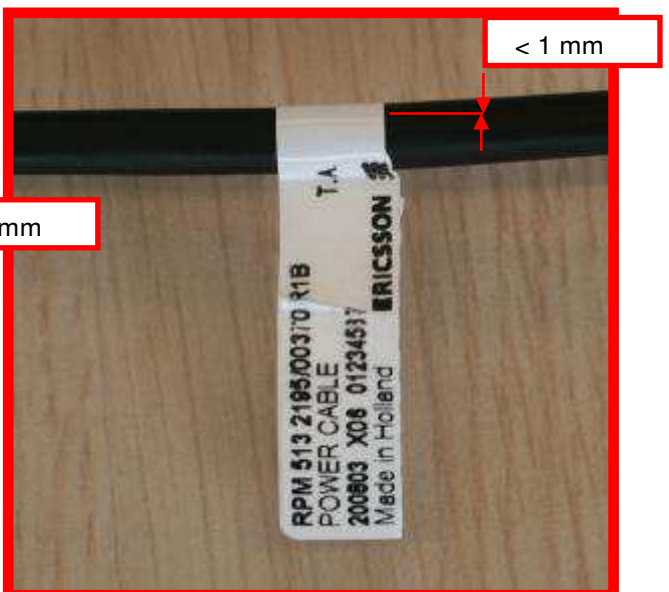
5.3.2 Positioning errors



Label is not positioned at 12 o'clock



Gap between label and cable is greater than 3mm.



Gap between label and cable is less than 1mm.



Label is not folded straight.

6 INSTRUCTIONS FOR WRAP AROUND LABELS

For each cable assembly where wrap around labels are required, one of the following label has to be used:

- PN E56137-000, Ericsson Nr. LZF 901 729/1.

NOTE: E56137-000 is according the Ericsson specifications. It can happen that E56137-000 is not suitable for the particular raw cable. In that case an alternative should be found.

6.1 Printing

Printer resolution 300 dpi

Font size: 8 (Arial Narrow or Triumvirate Condensed)

The label has to be printed according the lay-out as shown containing:

1. Product number and revision state (bold)
2. Date of production (bold) ^{*1)}
3. Manufacturing unit (bold) ^{*2)}
4. Supplier Batch/lot number (bold) ^{*3)}
5. Text "T.A." (Test Approved)
6. Country of origin in full English name
7. Ericsson Logo in font size 10.

LZF 901 729/1



LZF 083 278/3

Notes:

^{*1)} Date of production format YYYY/MM/DD (12D) or YYYY/WW (11D) depending on traceability requirements.

^{*2)} Manufacturing unit code is given on the attachment, which is supplier specific.

The administration of these manufacturing unit codes and the distribution of the supplier specific attachments are done by CC&CE Cable Systems Group of Tyco Electronics Netherlands

^{*3)} Supplier Batch/lot number is a free to choose series of numbers that the Manufacturing Unit can use to guarantee

6.2 Positioning



Minimum recommended jacket diameter: 2.9mm

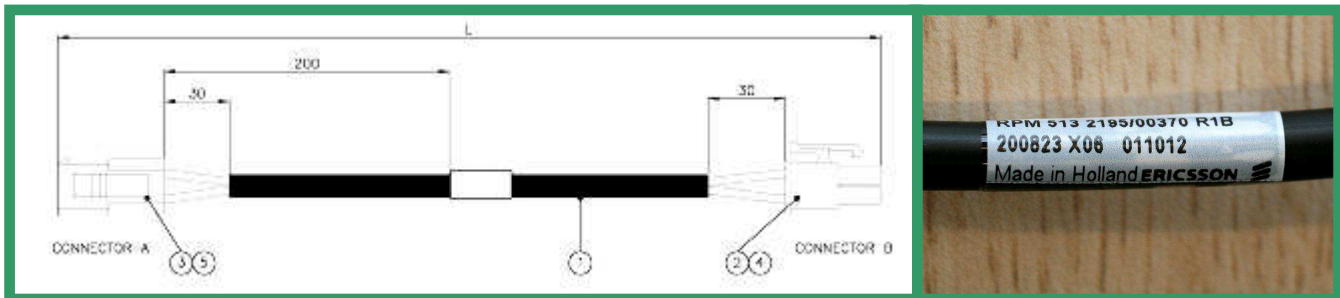
Can be used for smaller wires at customer's discretion or by contacting Tyco technical for assistance. See TTDS-052.

White area is completely covered by the transparent area.

There is no gap between cable and label.

The label has been positioned without wrinkles.

Label has been positioned straight with a maximum of 1mm.



Reading direction



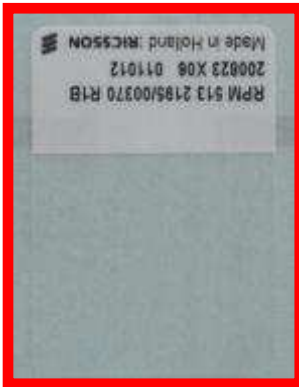
The text orientation must be readable from connector A to connector B, or from assembly side A to assembly side B

All situations displayed in these sub paragraphs are unacceptable.

6.3.1 Printing errors



Text is printed up side down



Text is printed up side down, not on the bottom of white area.



Text is not printed on the bottom of white area.



OK

6.3.2 Positioning errors



The transparent part of label is wrinkled; the transparent part is not completely covering white part of label.



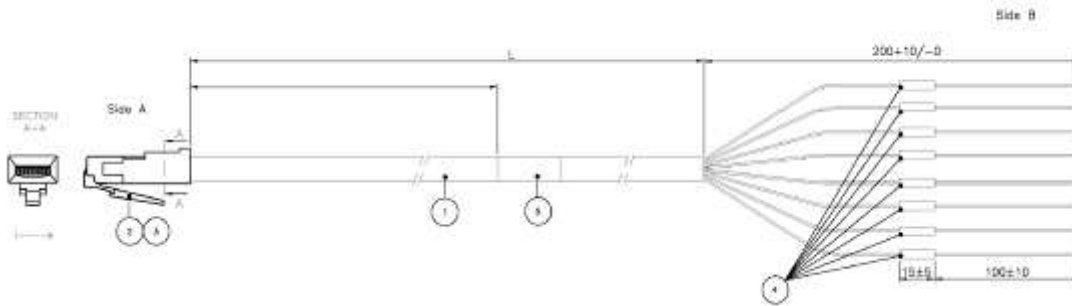
There is a gap between label and cable, transparent part of label is not covering white part of label.



Transparent part of label is not covering white part of label.



Label is not positioned straight,



Text orientation is not in line with drawing.

7 INSTRUCTIONS FOR OUTSIDE PACKAGING LABELS

This instruction shall be used for Cables and for products of deliveries within Ericsson and from Ericsson or Ericsson contracted supplier to Ericsson customer .

NOTE:

Every outside package should contain a label with the number of components in that package as described in par 7.2

NOTE:

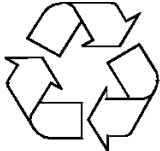
If several packages are packed together in another outside package, then that outer package should be labeled with the total volume as well.

For instance, 25 components packed and labeled in a bag, 4 bags in a box, then the box should be labeled with "100 pcs"

7.1 ESD packaging material:

Where practicable, the ESD protected packaging materials must be marked in accordance with recommended standards, as follows:

- Recycling symbol



- ESD symbol



The goods should be packed in any suitable way, like below or any other suitable equivalent

- | | | | |
|-----------------------------|---------|-----------------|-----------|
| - ESD bag smal | 150x225 | 1/RTK 815 28/04 | 1344832-1 |
| - ESD bag medium | 250x300 | 1/RTK 815 28/06 | 1344833-1 |
| - ESD bag large | 300x450 | RTK 993 5022/02 | 1344834-1 |
| - Low Charging Plastic Tube | | 1/RTK 833 78 | 1652925-1 |

7.2 Outside packaging Label

NOTE:

Each outside package should contain a label according Ericsson labeling specification 102 01-107 paragraph 5.1.3 . Label to be used is LZF 083 255/3 (108x64mm) , Tyco 2073980-1 (100x50mm) or equivalent.

7.2.1 Printing

Printer resolution: 300dpi (or 600dpi)

Font: Arial or CG Triumvirate Bold Condensed

Barcode: Code 128 (No interruption line, mode A)

2D symbol: Compact PDF417 (truncated PDF417)



2D symbol. Data encoded as followed:
 {}>06:18VLELME:1P<F1>:21P<F2>:11DYYYYWW:Q<F8>:1V<F5>:1T<F9>:4L<F17>



The label has to be printed according the lay-out as shown. It is important that the readable text of the Barcode is exactly like shown in the example below. This barcode is being used in Ericsson's warehouse system. The label should contain the following information:

1.	Product number (1P)	encoded data: 1PRPM777143/00750
2.	Revision state (21P)	encoded data: 21PR2B
3.	Quantity (Q)	encoded data: Q1
4.	Factory Code (1V) *1)	encoded data: 1VBB4
5.	Supplier Batch/lot number (1T)	encoded data: 1T030515
6.	Date of production (11D or 12D) *2)	encoded data: 11D201403
7.	Country of origin in full English name (4L) *3)	encoded data: 4LCN
8.	PDF417 barcode*4)	encoded data:

[>06:18VLELME:1PRPM777143/00750:21PR2B:11D201403:Q1:1VBB4:1T030515:4LCN

*1) Manufacturing Unit, see paragraph 9

*2) Date of production format 11D YYYYWW or 12D YYYYMMDD

*3) Readable barcode text for Country of Origin should be in ISO code.

*4) Compact PDF417 (truncated PDF417)

8 PACKAGING

This instruction prescribes the way of packaging required by Ericsson.
There are two main ways of packaging:

- Bulk packaging
- Single packaging

Whenever a partnumber is being ordered by two or more different locations at Ericsson and these locations require different method of packaging (bulk- or single packaging) the following requirements are mandatory:

- A new partnumber (dashnumber) will be assigned.
- This partnumber will be mentioned on the Production Drawing of that assembly.
Production Drawing must be available in StarTec
- This partnumber will be mentioned in the cross-reference file for Customer Service.
This file can be found on the Ericsson CT sharepoint server under "Xref list Ericsson TE"
http://myteams.tycoelectronics.com/sites/datcom/Customer_Focus_Teams/ERICSSON/default.aspx

The action items above are all under the responsibility of the Product Engineer (Customer Development Engineer)

8.1 Bulk packaging

The way of bulk packaging can be decided by the manufacturing unit based on the weight and size of the cable assemblies and the available packaging materials.

- All outside packaging should be labeled per paragraph 7.2
- All plastic packaging material should be ESD protected as described in par 7.1

8.2 Single packaging

Single packaging means:

- ONE cable assembly (or part)
- in ONE ESD protected bag
- with ONE outside packaging label
- with quantity 1 printed on the label.

Single packed items should be packed in a suitable ESD protected plastic bag, as mentioned in paragraph 7.1 , sealed or with zip-lock.

All plastic bags should have an outside label as described in paragraph 7.2 with the quantity 1 printed on the label.
A multiple of single packed plastic bags can be shipped in a suitable box, ALSO with an outside label as described in paragraph 7.2 with the quantity of items in the box, printed on the label.



Example Picture Single packaging



Example Picture Bulk packaging

9 SUPPLIER SPECIFIC MANUFACTURING UNIT CODES

Production Location Current Manufacturing unit Codes

Tyco Netherlands X06
Rietveldenweg 32
5222 AR 's-Hertogenbosch
Netherlands
Tel +31 (0)73- 6246246
Fax +31 (0)73-6212365

Tyco da Amazonia Brazil BA9
Av. Tucumã, 48 Distrito Industrial - Manaus
Cep - 69075-220
Amazonas – Brazil
Tel +55 92 2126 6300
Fax +55 92 613-3320

Tyco Poland Bydgoszcz BB2
UL. Unii Lubelskiej 4
Bydgoszcz
Poland
Tel +48 52-224960
Fax +48 52-3250-110

Tyco Poland loc. OV Tochprilad CN4
Berehivska 110
89600 Mukachevo
Ukraine
tel: +380 3131 42644
fax: +380 3131 44081

Tyco China loc. Kunshan BB3
Suhong Road
Zhangpu Town
Kunshan Economics & Tech Dev Zone
Jiangsu Province
PR China
Tel +86 512-57443999
Fax +86 512-57445000

Tyco China loc. Dongguan BB4
1st Industrial Zone
Dajing, Houjie Town
Dongguan City
Guangdong Province
PR China
Tel +86 769-5815041
Fax +86 769-5819130

Tyco China loc. Shunde BB8
Rongli Industry Zone
Ronggui Town Shunde
Guangdong Province 528306
PR China
Tel +86 765-8381368
Fax +86 765-8381456

Supplier specific Manufacturing Unit Codes (cont'd)

Tyco India loc. Bangalore BQ5
TE Park 22B, Doddenakundi 2nd Phase
Mahadevapura Post Industrial Area
Whitfield Road
Bangalore – 560 048 India
Tel +91 80 28540800 -23
Fax +91 80 28540820

Gargnäs loc. Gargnäs BB5
Byvagen 55
SE-920 73 Gargnäs
Sweden
Tel +46 952-538 00
Fax +46 952 538 50

Gargnäs loc. Riga BB6
Starta Iela 1
LV-1026, Riga
Latvia
Tel +371 738 97 50
Fax +371 738 97 55

Elproman BB7
Lövbäcksvägen 3
S-141 71 Huddinge
Sweden
Tel: +46 8 970070
Fax: +46 8 6463148

Kablego T65
Norrtullsvägen 15
SE 783-23 Säter
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Fax: +46 225 59 59 69