

General Cable Assembly Label or Print Specification

1. SCOPE

This specification covers the supplier's requirements and indications for TE Connectivity (Enterprise Networks), Copper cable assemblies product mark.

2. APPLICABLE DOCUMENTS

Product drawing indications shall take precedence.

3. MATERIALS

Label Type "A" (PN 3-161183-4) or other TE Connectivity approved label.
Label Type "B" (PN 1-1768834-3) or other TE Connectivity approved label.
Label Type "C" or other TE Connectivity approved label.

4. LABELLING AND PRINTING CONDITIONS

NOTE



A label is always required, as at least one of the following conditions is met:

- The cable already contains a printing from the cable manufacturer (to avoid overlapping).
- On 1 pair cable (due to reduced cable diameter).

On unprinted multi-pair cable, a label is not required, and then proceeds to CABLE PRINT per fig.2.

"Pre-printed cable assembly label" or "cable print" with the same specification should be positioned with the text in longitudinal direction (parallel with cable length) according to figures 1 and 2. It has to be clear and readable.

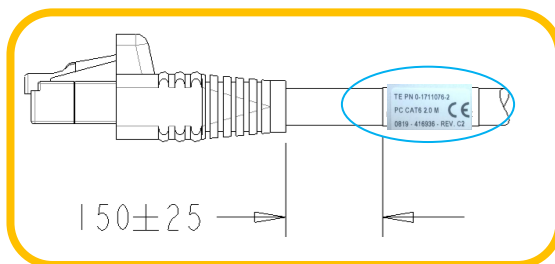


Fig.1

"PRE-PRINTED CABLE
ASSEMBLY LABEL"

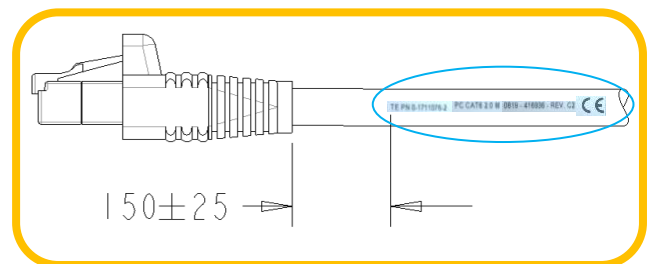


Fig. 2

"CABLE PRINT"

NOTE



For cable assemblies < 300mm the label or print will be placed in the middle of the cable.

5. “LABEL TYPE” & “CABLE PRINTING”: CONTENT AND LAYOUT

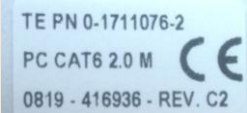
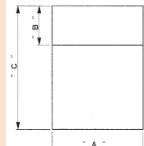
➤ Label types:

“LABEL TYPE”	RELATED PRODUCT FAMILY	SKETCH SHOWN ON
A	“Cable assembly” (shown on table 1)	<i>Fig.3</i>
B	MRJ21 “cable assembly”	<i>Fig.4</i>
C	“AMP SIGMA-Link Classic” and “Jack Cable assembly” (Shown on table 2)	<i>Fig.5</i>

NOTE



In case that additional labels are needed due to new specific requirements, new letters for label type will be assigned.

“Label Type”	Sketch for reference only (example of zone AxB)	Figure for reference only (example of printable zone AxB)	View* for ref. only (Dim. AxBxC)
A	<div> 1-0346925-2 (1) PC Cat 5e 12,5m (2) CE Mark (4) 0529 - 416936 – Rev. X (3) </div>	 <i>Fig.3</i>	

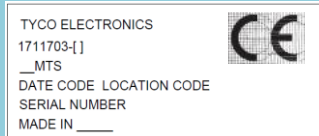
*Dimensions AxBxC could be according to PN 3-161183-4 (as shown) or other approved by TE Connectivity.
Meaning of fields:

- TE Connectivity material number (X-XXXXXXX-X) (1)
- Short material description according to **table 1** (2)
- Batch – MI – Rev. X (3)
- “CE” Mark (4)

Detailed comments:

- > Batch: It is the manufacturing date code. Format YYWW: (according to Spec 102-60).
- > MI (Manufacturing identity): It is the SAP vendor code.
- > Rev. X: where X is the part revision number as defined in the PN Rev. per Production Order.
- > “CE” marking: According to RoHS 2 Directive (2011/65/EU and reg. EC N° 765/2008, Art. 30. Annex II. CE Marking, at least 5 mm high).

Font: Arial Narrow 7, Bold (Font high ≈ 2mm) or other approved by Engineering, except the CE marking.

“Label Type”	Sketch for reference only (example)	Figure for reference only (example)
B	<div> “COMPANY NAME” (1) CE Mark (4) “PN-[]” (2) “Length” (MTS) (3) “DATE CODE” & “MI” (5) “SERIAL NUMBER” (6) “MADE IN ____” (7) </div>	 <i>Fig.4</i>


Meaning of the fields:

- Company Name (*TE Connectivity*) (1)
- TE Connectivity material number (Part Number).(X-XXXXXXX-X) (2)
- Length (MTS) (3)
- “CE” Mark (4)
- Date Code and MI (5)
- Serial Number (6)
- Made in ____ (7)

Detailed comments:

- > Batch: It is the manufacturing date code. Format YYWW: (according to Spec 102-60).
- > MI (Manufacturing identity): It is the SAP vendor code.
- > Serial Number: Unique Serial number per assy. defined by vendor.
- > "CE" marking: According to RoHS 2 Directive (2011/65/EU and reg. EC N° 765/2008, Art. 30. Annex II. CE Marking, at least 5 mm high).
- > Made in (it is the manufacturing location –Country- for Final Good).

Font: Arial Narrow 7, Bold (Font high ≈ 2mm) or other approved by Engineering, except the CE marking.

"Label Type"	Sketch for reference only (example)	Figure for reference only (example)
C	<div> <p>"TE PN" (1)</p> <p>"Material Description & Length" (2)</p> <p>Date code - MI - Rev. X (3)</p> <p>"SERIAL NUMBER" (5) CE Mark (4)</p> </div>	<div> <p>TE PN X-1671216-Y</p> <p>S-Link UTP Class E Z.Z m</p> <p>YYWW-MI-Rev.X</p> <p>Serial nbr. XXX</p> <p></p> <p><i>Fig.5</i></p> </div>

Meaning of the fields:

- TE Connectivity material number (Part Number).(X-XXXXXXX-X) (1)
- Short material desc. according to **table 2** (only for reference) and Length in meters (m.) (2)
- Date Code – MI – Rev. X (3)
- "CE" Mark (4).
- Serial Number (5)

Detailed comments:

- > Batch: It is the manufacturing date code. Format YYWW: (according to Spec 102-60).
- > MI (Manufacturing identity): It is the SAP vendor code.
- > Serial Number: Unique Serial number per assy. defined by vendor.
- > "CE" marking: According to RoHS 2 Directive (2011/65/EU and reg. EC N° 765/2008, Art. 30. Annex II. CE Marking, at least 5 mm high).

Font: Arial Narrow 7, Bold (Font high ≈ 2mm) or other approved by Engineering, except the CE marking.

➤ Cable Print:

Same criteria than label Type "A", as shown on figures 1 and 2.(Sketch shown on fig. 6 is for reference only).

1-0346925-2 (1) PC Cat 5e 12,5m (2) 0529 – 416936 – Rev. X (3) CE (4)

Fig. 6

NOTE



(4) In case that "CE" mark is printed over the cable jacket (dot matrix printer format), the acceptance criteria is as follow. (Views shown for reference only).



6. SHORT MATERIAL DESCRIPTION

The short materials descript. is indicated on and must be according to production drawing. **Table 1** is for reference only.

<u>Cable assy. type</u>	<u>Perform. level</u>	<u>Construction</u>	<u>Short mat. Description</u> (ZZ. m; length in meters)
Patch Cord	Cat 5	Unshielded	PC Cat 5e Z.Zm
		Shielded	
	Cat 5e	Unshielded	
		Shielded	
	Cat 6	Unshielded	PC Cat 6 Z.Zm
	Class E _A	Shielded	PC Cat.6 Z.Zm
Single Ende Patch Cord	Cat 5e	Unshielded	SE PC Cat 5e Z.Zm
		Shielded	
	Cat 6	Unshielded	SE PC Cat 6 Z.Zm
		Shielded	
	Class E _A	Shielded	SE PC Class E_A Z.Zm
	Cat 6 _A	Shielded	SE PC Cat 6_A Z.Zm
Consolidation Point Transition	Class D	Unshielded	CPT Class D Z.Zm
		Shielded	
	Class E	Unshielded	CPT Class E Z.Zm
		Shielded	
	Class E _A	Shielded	CPT Class E_A Z.Zm
	Class F _A	Shielded	CPT Class F_A Z.Zm

Table 1

<u>Cable assy. type</u>	<u>Perform. level</u>	<u>Construction</u>	<u>Short mat. Description</u> (ZZ. m; length in meters)
Sigma Link Classic Cable assy.	Class E	Unshielded	S-Link UTP Class E / C to C Z.Z m
			S-Link UTP Class E / C to J Z.Z m
			S-Link UTP Class E / C to E Z.Z m
	Class EA	Shielded	S-Link STP Class EA / C to C Z.Z m
			S-Link STP Class EA / C to J Z.Z m
			S-Link STP Class EA / C to E Z.Z m
	Class FA	Shielded	S-Link STP Class EA / C to C Z.Z m
			S-Link STP Class EA / C to J Z.Z m
			S-Link STP Class EA / C to E Z.Z m
Class EA	Shielded	S-Link STP Class EA / C to P Z.Z m	
Jack Cable Assy. (Link)	Class D	Unshielded	JC/A Class D Z.Zm
		Shielded	
	Class E	Unshielded	JC/A Class E Z.Zm
		Shielded	
	Class E _A	Shielded	JC/A Class E_A Z.Zm
	Class F _A	Shielded	JC/A Class F_A Z.Zm

Table 2

7. REVISION SUMMARY

Rev. D: Document fully updated according to new TE Logos. In addition; material, method and label types (Paragraph §3, 4, 5 and 6) have been also updated, including the "CE" marking requirement. (RoHS 2 Directive).