



# Product Change Notification

Current Date: 23-Feb-2024

## TE Connectivity

**Product Change Notification:** PCN-24-199670

**PCN Date:** 22-FEB-24

**Customer:** TTI, Inc. ( 1305175 )

**Location:** Maisach-gernlinden

**Agreement:** TTI001

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

**Product Description:** (Text limited to 120 characters)  
Part and Drawing revision level match

**General Description of Changes**  
Dear valued customer, In an effort to maintain same revision level of parts across entire documentation and to avoid conflicts between revision in shipping labels to drawings, we are aligning Product drawing revision & Central Part Registry revision level. Also we use this opportunity to fix rounding and conversion errors (from inch to mm / mm to inch) to avoid mismatch between Product drawing and shipping labels. This change is for administrative purpose only and there is no change in Form, Fit and Functions of the product. This change will be processed with PPAP level 1 / First Article Inspection (FAI). If you need PPAP document, then apply for e-PPAP. Existing inventory to be consumed in First In First Out (FIFO) basis. (There is a cooling period of 180 days upto which part with old labels can be shipped) We thank you for your business and look forward to servicing you through our standard part offerings in the future.  
**Other attachments:**  
[Customer drawing](#)  
[PCN wording file](#)  
[Customer drawing](#)

**Reason for Changes:**  
Update made to improve document clarity

<b>PCN Attributes:</b>	
<b>Product Category:</b>	<b>Kind of Change:</b>
Heat Shrink Tubing	Drawing
<b>Change Feature:</b>	<b>Potential Customer Impact:</b>
Revision Adjustment	No Customer Impact
<b>Remarks:</b>	

<b>Estimated Dates:</b>	
<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Ship Date of Changed Items</b> (Changed Parts Only):
	07-MAY-2024
<b>Last Ship Date of Changed Items</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	No Mixed Shipments
<b>Effectivity Date:</b>	<b>Date of First Samples:</b>

**Part Number(s) being Modified:**

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">0021032009</a>	NO		RAY0021032009	9-1190015-4, RBK-ILS-125-NR3-0-STK			
<a href="#">0021036003</a>	NO		RAY0021036003, RAY21036003	9-1190015-7, RBK-ILS-125-NR3-0-65MM			
<a href="#">0989072006</a>	NO		RAY0989072006	6-1190724-4, RBK-ILS-125-NR2-0-STK			
<a href="#">0989076002</a>	NO		RAYRBK-ILS-125-NR2-0-50, RAYRBK-ILS-125-NR2-0-50MM, RAYRBK-ILS-125-NR2-0-050, RAY0989076002	6-1190724-6, RBK-ILS-125-NR2-0-50MM			
<a href="#">2065124003</a>	NO		RAY2065124003	2-1198113-0, HFT5000-20/10-0-SP			

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2525596002</a>	NO		RAYRBK-ILS-125-NR1-0-50, RAY2525596002	5-1191848-0, RBK- ILS-125-NR1-0- 50MM			
<a href="#">2525596010</a>	NO		RAY2525596010	5-1191848-7, RBK- ILS-125-NR1-0- 27MM			
<a href="#">2525596020</a>	NO		RAYRBK-ILS-125-NR1-0-25, RAY2525596020	2-1198137-5, RBK- ILS-125-NR1-0- 25MM			
<a href="#">4160924003</a>	NO		RAY4160924003	8-1198112-7, HFT5000-12/6-0- SP			
<a href="#">6203684003</a>	NO			5-1198112-5, HFT5000-50/25-0- SP			
<a href="#">6979344003</a>	NO			6-1198112-7,, HFT5000-30/15-0- SP			
<a href="#">8208596003</a>	NO		RAYRBK-ILS-125-3A0-65MM	4-1196401-3, RBK- ILS-125-3A-0- 65MM			



# Product Change Notification

Current Date: 23-Feb-2024

## TE Connectivity

**Product Change Notification:** PCN-24-199670

**PCN Date:** 22-FEB-24

**Customer:** TTI, Inc. ( 3057778 )

**Location:** Maisach-gernlinden

**Agreement:** Agreement Unknown

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

**Product Description: (Text limited to 120 characters)**

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**Other attachments:**
[Customer drawing](#)
[PCN wording file](#)
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**Reason for Changes:**

Update made to improve document clarity

**PCN Attributes:**

<b>Product Category:</b>	<b>Kind of Change:</b>
Heat Shrink Tubing	Drawing
<b>Change Feature:</b>	<b>Potential Customer Impact:</b>
Revision Adjustment	No Customer Impact
<b>Remarks:</b>	

**Estimated Dates:**

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Ship Date of Changed Items</b> (Changed Parts Only):
	07-MAY-2024
<b>Last Ship Date of Changed Items</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
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<b>Effectivity Date:</b>	<b>Date of First Samples:</b>

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<a href="#">0021036003</a>	NO		RAY0021036003, RAY21036003	9-1190015-7, RBK-ILS-125-NR3-0-65MM			
<a href="#">0989072006</a>	NO		RAY0989072006	6-1190724-4, RBK-ILS-125-NR2-0-STK			
<a href="#">0989076002</a>	NO		RAYRBK-ILS-125-NR2-0-50, RAYRBK-ILS-125-NR2-0-50MM, RAYRBK-ILS-125-NR2-0-050, RAY0989076002	6-1190724-6, RBK-ILS-125-NR2-0-50MM			
<a href="#">2065124003</a>	NO		RAY2065124003	2-1198113-0, HFT5000-20/10-0-SP			

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
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<a href="#">2525596020</a>	NO		RAYRBK-ILS-125-NR1-0-25, RAY2525596020	2-1198137-5, RBK- ILS-125-NR1-0- 25MM			
<a href="#">4160924003</a>	NO		RAY4160924003	8-1198112-7, HFT5000-12/6-0- SP			
<a href="#">6203684003</a>	NO			5-1198112-5, HFT5000-50/25-0- SP			
<a href="#">6979344003</a>	NO			6-1198112-7,, HFT5000-30/15-0- SP			
<a href="#">8208596003</a>	NO		RAYRBK-ILS-125-3A0-65MM	4-1196401-3, RBK- ILS-125-3A-0- 65MM			

REVISIONS

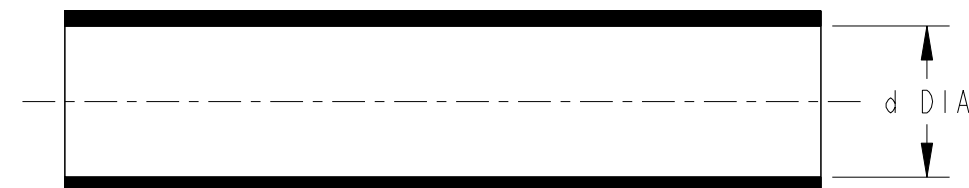
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	NEW DRAWING	13DEC2023	BDA	VN

# HFT5000 HEAT-SHRINKABLE FABRIC TUBING

a. PART AS SUPPLIED



b. PART FULLY RECOVERED



## PRODUCT DIMENSIONS

PART No.	D DIA MIN a		d DIA MAX b	
	mm	inch	mm	inch
4/2	4.00	0.157	2.00	0.079
6/3	6.00	0.236	3.00	0.118
12/6	12.00	0.472	6.00	0.236
20/10	20.00	0.787	10.00	0.394
25/12	25.00	0.984	12.00	0.472
30/15	30.00	1.181	15.00	0.591
34/17	34.00	1.339	17.00	0.669
40/20	40.00	1.575	20.00	0.787
50/25	50.00	1.969	25.00	0.984
60/30	60.00	2.362	30.00	1.181
70/35	70.00	2.756	35.00	1.378
80/40	80.00	3.150	40.00	1.575
100/50	100.00	3.937	50.00	1.969

## HEAT-SHRINKABLE FABRIC TUBING PRODUCT INFORMATION

WARP MATERIAL: 6/167 DTEX POLYESTER  
WEFT MATERIAL: 0.30 (0.010) NOM. IRRADIATED MODIFIED POLYOLEFIN.  
COATING: MODIFIED POLYOLEFIN

PRODUCT SPECIFICATION:  
BLACK: RW-2060 (EXCEPT SIZE 4/2 AND 6/3)  
ORANGE: 108-32097

FULLY RECOVERED FABRIC WALL THICKNESS APPROXIMATELY 1.00 (0.039)  
LONGITUDINAL CHANGE ON FULL RECOVERY -10 TO -20%

### STANDARD CUTTING TOLERANCES (mm)

CUT LENGTH	TOLERANCE
UPTO TO 9.90mm	±1.50mm
10mm TO 24.90mm	±1.50mm
25mm TO 54.90mm	±1.50mm
55mm TO 99.90mm	±3.00mm
100mm TO 149.90mm	±4.00mm
150mm TO 499.90mm	±5.00mm
500mm AND GREATER	±25.40mm

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm(Inches)	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±
MATERIAL SEE NOTE	FINISH -

DWN BASAVARAJA D A 14MAR2023	
CHK SELVAPANDIAN B 14MAR2023	
APVD MAYO BAKARE 14MAR2023	
PRODUCT SPEC SEE NOTE	
APPLICATION SPEC 114-120001	NAME HFT5000 HEAT-SHRINKABLE FABRIC TUBING
WEIGHT -	SIZE A3
CUSTOMER DRAWING	CAGE CODE -
	DRAWING NO HFT5000
	RESTRICTED TO -
	SCALE NTS
	SHEET 1 OF 1
	REV A

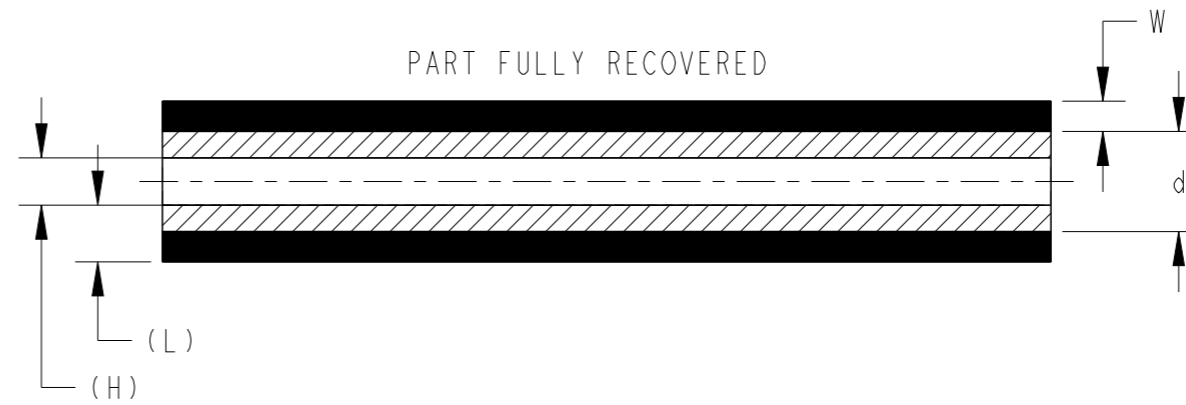
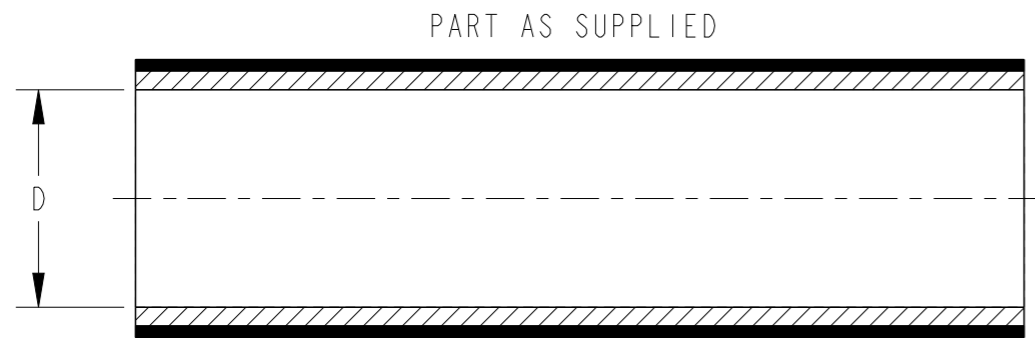
Printed on 19 Dec 2023 09:37 (India Standard Time) from TE255172



<b>Type of Notification</b>	<b>Part and Drawing revision level match</b>
<b>Issue Date</b>	<b>Notification No.</b>
09JAN2024	XX-XXX

<b>Description of Change</b>
<p>Dear valued customer,</p> <p>In an effort to maintain same revision level of parts across entire documentation and to avoid conflicts between revision in shipping labels to drawings, we are aligning Product drawing revision &amp; Central Part Registry revision level.</p> <p>Also we use this opportunity to fix rounding and conversion errors (from inch to mm / mm to inch) to avoid mismatch between Product drawing and shipping labels. This change is for administrative purpose only and there is no change in Form, Fit and Functions of the product.</p> <p>This change will be processed with PPAP level – 1 / First Article Inspection (FAI). If you need PPAP document, then apply for e-PPAP.</p> <p>Existing inventory to be consumed in First In First Out (FIFO) basis. (There is a cooling period of 180 days upto which part with old labels can be shipped)</p> <p>We thank you for your business and look forward to servicing you through our standard part offerings in the future.</p>

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	16MAY2023	BDA	MB



PRODUCT DIMENSIONS

PART NO	AS SUPPLIED		AS RECOVERED							
	MINIMUM EXPANDED I.D. (D)		JACKET & LINER DIA (H)		MAXIMUM RECOVERED JACKET I.D. (d)		MINIMUM RECOVERED JACKET WALL (W)		RECOVERED TOTAL WALL (L)	
	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.
RBK-ILS-125-NR1	5.75	0.226	1.25	0.049	2.65	0.104	0.60	0.024	1.15	0.045
RBK-ILS-125-NR2	7.50	0.295	1.65	0.065	3.45	0.136	0.70	0.028	1.40	0.055
RBK-ILS-125-NR3	11.00	0.433	2.40	0.094	4.65	0.183	0.80	0.031	1.80	0.071
RBK-ILS-125-3A	14.00	0.551	3.00	0.118	5.90	0.232	0.90	0.035	2.15	0.085
RBK-ILS-125-NR4	18.30	0.720	4.35	0.171	7.40	0.291	0.90	0.035	2.20	0.087

PRODUCT INFORMATION

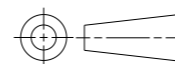
- NON-FLAME RETARDANT
- OUTER JACKET: IRRADIATED MODIFIED POLYOLEFIN COLOUR: BLACK  
INNER LINER: HOT-MELT POLYAMIDE ADHESIVE COLOUR: AMBER
- SHRINK RATIO 4:1
- LONGITUDINAL CHANGE 0 TO -10%
- TUBING CUT TO SPECIFIC LENGTHS CAN BE SUPPLIED FROM THE PRODUCT SIZES REFERENCED WITHIN THIS DRAWING
- DIMENSION H & L (JACKET & LINER) VALUE IS FOR REFERENCE ONLY

STANDARD CUTTING TOLERANCES(mm)

CUT LENGTH	TOLERANCE
UPTO TO 9.90mm	±1.50mm
10mm TO 24.90mm	±1.50mm
25mm TO 54.90mm	±1.50mm
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500mm AND GREATER	±25.40mm

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DIMENSIONS:  
mm(Inches)



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±
1 PLC	±0.1
2 PLC	±0.01
3 PLC	±0.001
4 PLC	±0.0001
ANGLES	±
FINISH	-

MATERIAL  
SEE NOTE

DWN	16MAY2023
BASAVARAJA D A	
CHK	16MAY2023
SELVAPANDIAN B	
APVD	16MAY2023
MAYO BAKARE	
PRODUCT SPEC	108-120003
APPLICATION SPEC	-
WEIGHT	-
CUSTOMER DRAWING	



NAME RBK-ILS-125 DUAL WALL, HEAT-SHRINKABLE, NON-FLAME RETARDED TUBING			
SIZE A3	CAGE CODE -	DRAWING NO RBK-ILS-125	RESTRICTED TO -
SCALE NTS	SHEET 1	OF 1	REV A