

## FTI-Y Ribbon

# Thermal Transfer Ribbon Specifications

### TECHNICAL DATA SHEET

Revision Number. 1  
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FTI-Y ribbon is a speciality resin ribbon for thermal transfer printers that produces a good print image which has good chemical resistance, scratch resistance and general good print permanence with excellent edge definition.

For use on a wide range of identification products. Ideal for use in environments where the marker may come into contact with occasional abrasion, solvent or chemical attack.

- \* Excellent Scratch resistance
- \* Excellent Smudge resistance
- \* Excellent Solvent Resistance

Can be used for applications requiring resistance to high temperature Print performance.

See individual technical data sheets.

## Industry



Industry



Marine



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical installations



Petrochemical



Telecom

### STANDARD COLOR



### MATERIAL SUBSTRATE

Polyester

### INK TYPE

Resin

### MELTING POINT

82°C (179°F)

### HEAT RESISTANCE

Minimum 180°C

### SMUDGE & SCRATCH RESISTANCE

Outstanding

### RESISTANCE TO SOLVENTS

Resistant against solvents and chemicals

### ROHS COMPLIANT

Yes

### APPLICABLE PRINTERS

CAB - EOS - SQUIX - A4+M

### HALOGEN FREE

Yes

### THERMAL PRINTING ENERGY

Medium

### DIMENSIONS

110mm x 360Meter

4,3 INCHES X (1181 FEET)

### WINDING DIRECTION

Inside in & Out

### STORAGE

Do not store in direct sunlight.  
From date of manufacture 1 year.  
Cool and dry in original packaging.  
Recommended temperature.

-5°C (23°F) and 40°C (104°F) is the most critical temperatures it can be stored under.

Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

### APPLICATIONS

Developed to be used in normal Industry, Wind Power, Commercial, Construction, Electrical and Telecom installations, wire & cabling for cable and wire marking products.

## Ordering Info Ribbbon Inkside In

PART NUMBER	TYPE	W X L RIBBON	MATERIAL	QTY-PCS	Colour	UOM	Winding Direction	Inner Core Diameter
FTI-Y-110x360-BK	Ribbon	110mm x 360 Meter ( 4,3 x 1181 Feet)	Resin	1	Black	Roll	Inkside In	25.4mm ( 1inch)
FTI-Y-055x360-BK	Ribbon	55mm x 360 Meter ( 2,1 inches x 1181 Feet )	Resin	1	Black	Roll	Inkside In	25.4mm ( 1inch)
FTI-Y-060x360-BK	Ribbon	60mm x 360 Meter ( 23,6 x 1181 Feet)	Resin	1	Black	Roll	Inkside In	25.4mm ( 1inch)
FTI-Y-025x360-BK	Ribbon	25mm x 360 Meter (0,98 inches x 1181 Feet)	Resin	1	Black	Roll	Inkside In	25.4mm ( 1inch)

## Ordering Info Ribbbon Inkside Out

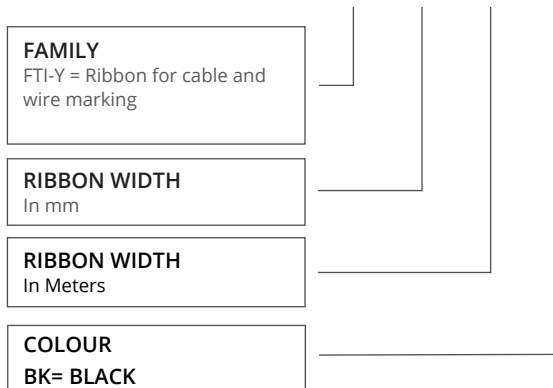
PART NUMBER	TYPE	W X L RIBBON	MATERIAL	QTY-PCS	Colour	UOM	Winding Direction	Inner Core Diameter
FTI-Y-CO-025x300-BK	Ribbon	25mm x 300 Meter (0,98 inches x 1181 Feet)	Resin	1	Black	Roll	Inkside Out	25.4mm ( 1inch)
FTI-Y-CO-055x300-BK	Ribbon	55mm x 300 Meter ( 2,1 inches x 1181 Feet )	Resin	1	Black	Roll	Inkside Out	25.4mm ( 1inch)
FTI-Y-CO-110x300-BK	Ribbon	110mm x 300 Meter ( 4,3 x 1181 Feet)	Resin	1	Black	Roll	Inkside Out	25.4mm ( 1inch)

## Ordering Info - Part Number Example

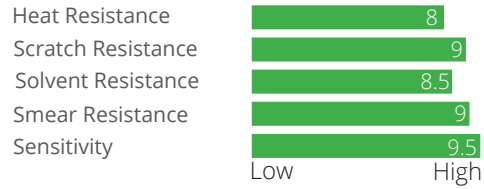
### PART NUMBER EXAMPLES - FTI-Y-110x360-BK

### Product code

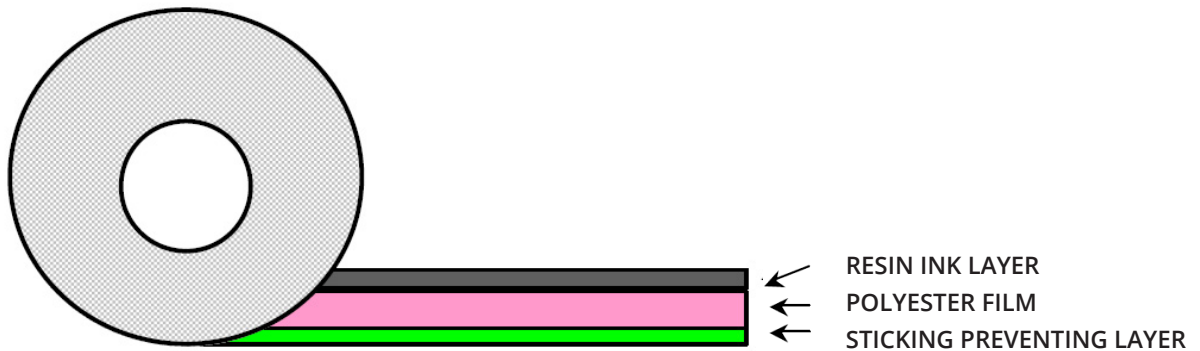
**FTI-Y- - 110 - 360 - BK**



## Properties - Performance



## Drawing - Ribbon Inkside In



THICKNESS OF RIBBON	µm	8
THICKNESS OF POLYESTER FILM	µm	5
INK WEIGHT	Gram / m <sup>2</sup>	2.3

# General Values for Thermal transfer Ribbon

## INK PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Coating Weight	.....	1,8 g/m <sup>2</sup>
Type of ink	.....	Resin
Sensitivity of Ink	.....	Middle

## INK THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature Melting Point	.....	-82° C -(179°F)

## SUBSTRATE PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Material	.....	Polyester
Thickness	.....	4,5 µm
Density	.....	1,4 m <sup>2</sup>
Tensile Strength	.....	19kg/mm <sup>2</sup>

## ADHESIVE THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature melting point	.....	250 ° C<

## IMAGE STABILITY

PROPERTIES	TEST METHOD	TYPICAL VALUE
Heat resistance	.....	180 ° C
Scratch resistance	.....	Excellent
Smudge resistance	.....	Excellent
Solvent resistance	.....	Excellent