

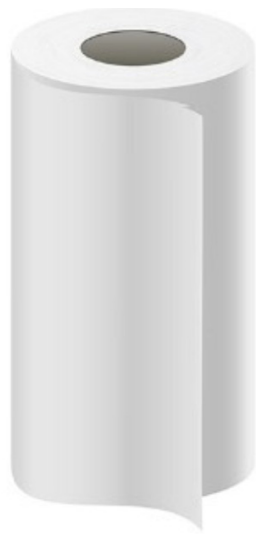
# FTI-X White Ribbon

## Thermal Transfer Ribbon

### Specifications

#### TECHNICAL DATA SHEET

Revision Number. 1  
Last Edited 21. december 2021



FTI-X white ribbon is a high pigment durable white resin ribbon for thermal transfer printers that produces the high resolution print. The printed image has excellent chemical resistance against white spirit, diesel oil, motor oil and alcohol. High abrasion resistance. Recommended label stocks such as very smooth label stock, synthetic films, like PET, PE, PP and TPU.

FTI-X ribbon have been ISEGA tested for direct contact with food. Will not print on paper and cardboard materials.

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

- \* Excellent Abrasion resistance
- \* Excellent Smudge resistance
- \* Excellent chemical Resistance
- \* Food Applications
- \* Aerospace Applications- Skydrol
- \* Mass Transit Applications

### Industry



Industry



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical installations



Telecom



Food Industry

#### STANDARD COLOR



#### MATERIAL SUBSTRATE

Polyester

#### INK TYPE

Resin

#### INK MELTING POINT

96°C (205°F)

#### HEAT RESISTANCE OF PRINT

Minimum 180°C

#### SMUDGE & SCRATCH RESISTANCE

Excellent

#### RESISTANCE TO SOLVENTS

Resistant against solvents and chemicals

#### ROHS COMPLIANT

Yes

#### APPLICABLE PRINTERS

CAB - EOS - SQUIX

#### HALOGEN FREE

Yes

#### THERMAL PRINTING ENERGY

HIGH

#### DIMENSIONS

110mm x 300Meter

4 INCHES X (984 FEET)

#### WINDING DIRECTION

InkSideOut "CO" & In

#### 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 35°C (104°F). Relative humidity between 30 - 80 % . Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

#### APPLICATIONS

Can be used in Food, Aerospace, Military , Defence, Mass Transit and can be used also in the normal Industry, Wind Power, Commercial, Construction, Electrical and Telecom installations, wire & cabling for cable and wire marking products.

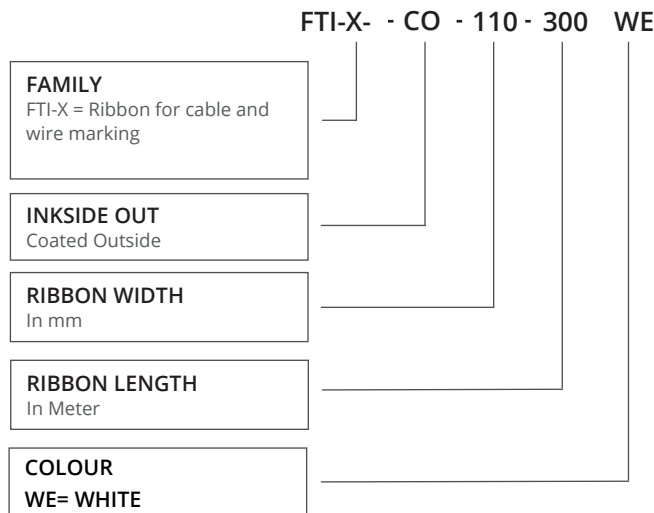
## Ordering Info Ribbbon Inkside Out

PART NUMBER	TYPE	W X L RIBBON	MATERIAL	QTY-PCS	Colour	UOM	Winding Direction	Inner Core Diameter
FTI-X-CO-110x300-WE	Ribbon	110mm x 300 Meter (4 inches x 984 Feet)	Resin	1	White	Roll	Inkside out - CO	25.4mm ( 1inch)
FTI-X-CO-055x300-BK	Ribbon	55mm x 300 Meter (2,08 inches x 984 Feet)	Resin	1	White	Roll	Inkside out - CO	25.4mm ( 1inch)
FTI-X-CO-055x300-BK	Ribbon	30mm x 300 Meter (1,18 inches x 984 Feet)	Resin	1	White	Roll	Inkside out - CO	25.4mm ( 1inch)

## Ordering Info - Part Number Example

**PART NUMBER EXAMPLES** - FTI-X-CO-110x300-WE -

### Product code

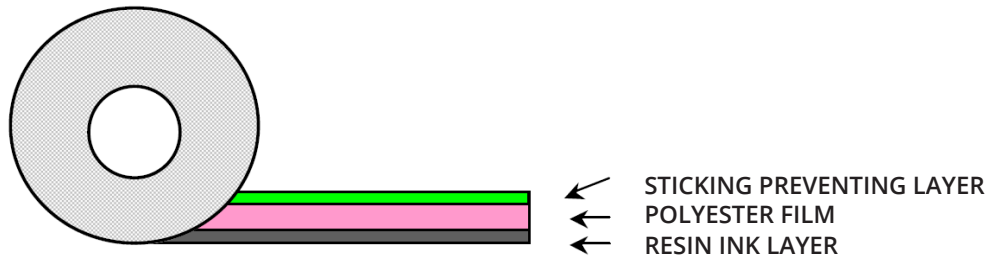


## Properties - Performance



Heat Resistance\* up to 180 dgc (tested with polyester)

## Drawing - Ribbon Inkside Out



THICKNESS OF RIBBON	μm	9,4
THICKNESS OF POLYESTER FILM	μm	4,5
INK THICKNESS	μm	4,9
MELTING POINT	dgc	96
PRINT DENSITY	Heiland	0,24
MAXIMUM PRINTING SPEED	mm/sec	125

# General Values for Thermal transfer Ribbon

## INK PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Coating Weight	.....	4,5 g/m <sup>2</sup>
Type of ink	.....	Resin
Sensitivity of Ink	.....	Low 0,24 (Heiland)

## INK THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature Melting Point	.....	96° C -(205°F)

## RIBBON PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Material	.....	Polyester
Thickness total	Micrometer	9,4 µm +/- 0,5 µm
Print Density	Densitometer Heiland	0,24
Base Film Thickness	Micrometer	4,5 µm

## IMAGE STABILITY

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