FTI-X White Ribbon

Thermal Transfer Ribbon Specifications

TECHNICAL DATA SHEET

Revision Number. 1
Last Edited 5. januar 2024

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 excelent 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

SMUGDE & 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.

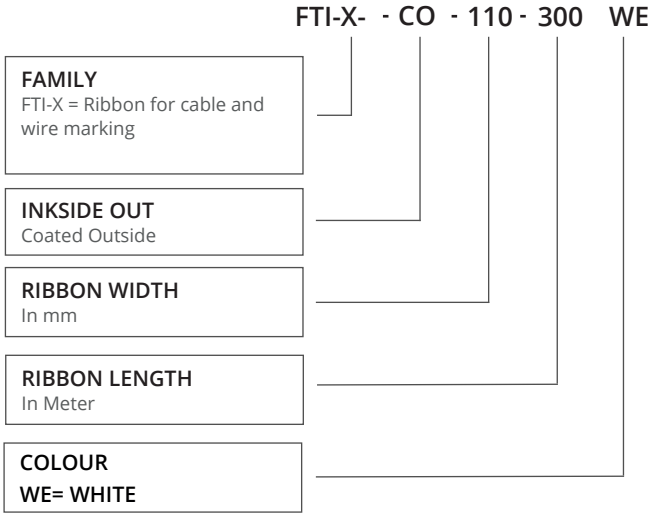
Ordering Info Ribbbon Inkside Out

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 -

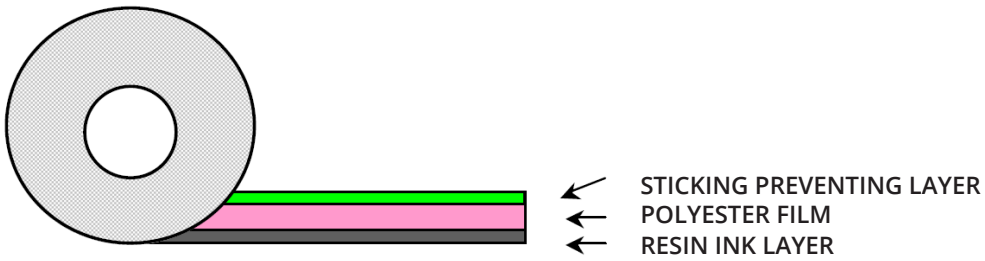
Product code



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^2
Type of ink	.....	Resin
Sensitivity of Ink	.....	Low 0,24 (Heiland)

INK THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temparature 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	Densitymeter 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