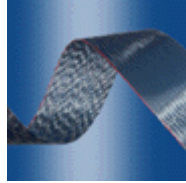


## Part Information:

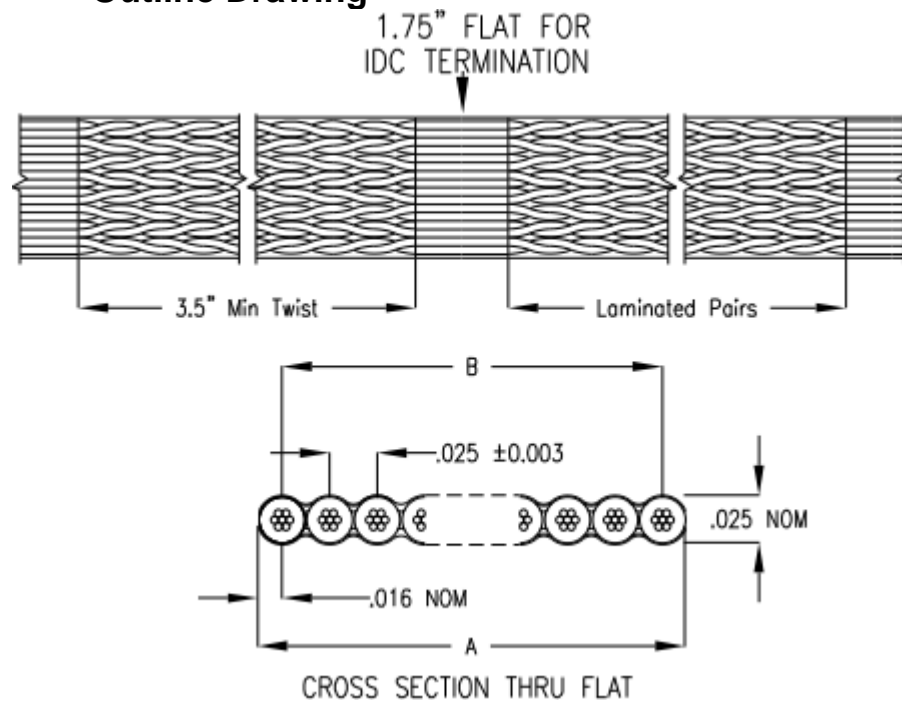


**Part Number:** 125-3007-068

**Description:** .025 pitch fully laminated Twist 'N' Flat, 30 AWG 7/38 Tinned Copper, PVC

**Family:** Internal Twisted Pair

## Outline Drawing



## Introduction

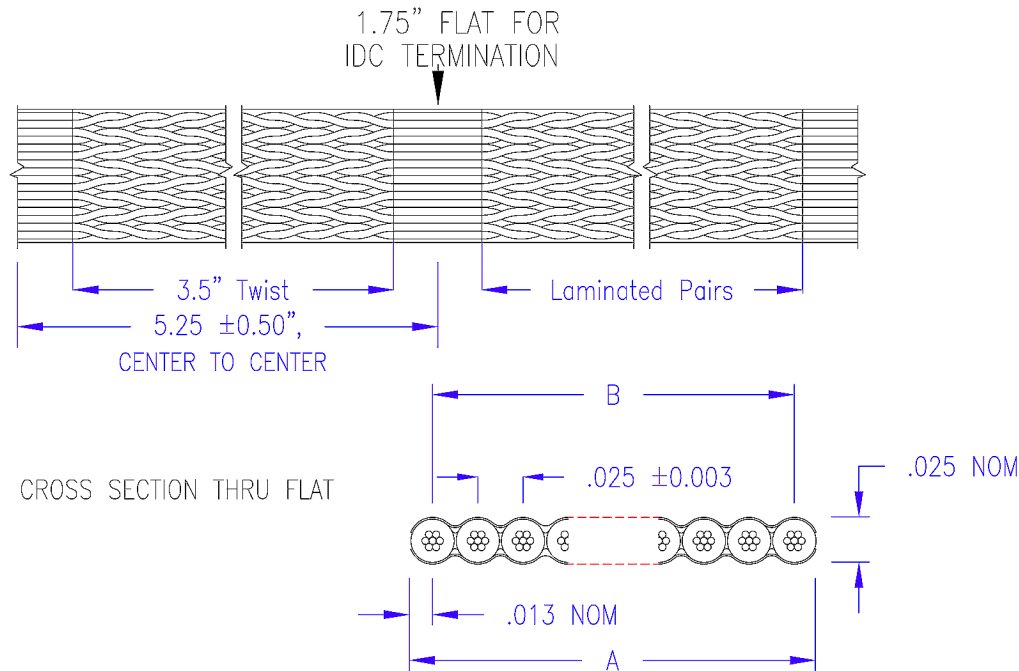
For internal single ended or LVD SCSI applications, Spectra-Strip now offers significantly reduced crosstalk and mass termination with its new .025" pitch fully laminated Twist 'N' Flat®. Unique in the industry, is the only cable to offer programmable twist length sections and a fully laminated construction for improved signal fidelity and greater crosstalk control on all pairs. Compared with traditional hand lamination methods of terminating SCSI cables, Twist 'N' Flat® affords considerable end product cost savings.

## Features/Benefits

- UL / CSA certified
- Recommended for LVD SCSI higher frequency applications
- Twisted pairs for significant crosstalk isolation
- Fully laminated construction for tighter impedance control
- Up to ten twist length combinations available
- Double sided lamination provides excellent conductor strain relief
- Reduced assembly costs compared with discrete or hand lamination terminations

## Ordering Information

			Width A		Span B	
Part Number	No. Cond.	No. Pairs	Inches	(mm)	Inches	(mm)
125-3007-068	68	34	1.707	(43,36)	1.675±.010	(42,55±0,25)



PHYSICAL

Conductors: 30 AWG 7/38 Tinned Copper  
 Insulation: .006" PVC  
 Color Code: 1st Pair Red/Gray followed by Blue/Gray and repeat  
 Laminate: Polyester  
 Temperature Rating: 80°C

ELECTRICAL

Impedance: 80 ohms<sup>1</sup> 110 ohms<sup>2</sup>  
 Capacitance: 20.3 pF/ft<sup>1</sup> 15.9 pF/ft<sup>2</sup>  
 Propagation Delay: 1.59 ns/ft  
 Voltage Rating: 150 volts  
 Current Rating: 0.75 amp  
 DC Resistance: 106 ohm per 1,000 ft

<sup>1</sup> Above values measured single-ended, with one conductor of each pair commoned to one Buss(SCSI mode).

<sup>2</sup> Above values measured differentially.

Approvals: UL AWM Style 20744  
 CSA AWM

Print Legend: **Amphenol SPECTRA-STRIP**

UL® AWM 80C LL31941 CSA AWM I A80C 150V FT-1  
 <Date Code> Spectra-Green Lead Free/PBB Free

Alternative Twist Lengths Available, Consult Factory for Ordering Information.

All Dimensions in Inches, Unless Otherwise Noted

Part Number	Count	Pairs	A Span	B Span
125-3007-010	10	5	.251 ± 0.012	.225 ± 0.010
125-3007-014	14	7	.351 ± 0.012	.325 ± 0.010
125-3007-016	16	8	.401 ± 0.012	.375 ± 0.010
125-3007-020	20	10	.501 ± 0.012	.475 ± 0.010
125-3007-026	26	13	.651 ± 0.012	.625 ± 0.010
125-3007-034	34	17	.851 ± 0.012	.825 ± 0.010
125-3007-036	36	18	.901 ± 0.012	.875 ± 0.010
125-3007-040	40	20	1.001 ± 0.012	.975 ± 0.010
125-3007-050	50	25	1.251 ± 0.012	1.225 ± 0.010
125-3007-060	60	30	1.501 ± 0.012	1.475 ± 0.010
125-3007-064	64	32	1.601 ± 0.012	1.575 ± 0.010
125-3007-068	68	34	1.701 ± 0.012	1.675 ± 0.010
125-3007-080	80	40	2.001 ± 0.012	1.975 ± 0.010
125-3007-100	100	50	2.501 ± 0.012	2.475 ± 0.010

DRAWN	PROD ENG	QA	MKT	P/ECN#	DRAWING NO.	<b>AMPHENOL SPECTRA-STRIP</b>	Rev D
1/07/98	8/4/04			781	TITLE: .025" Twist 'N' Flat		SHEET
					Full Lamination, 30 AWG 7/38		1 of 1