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Internal Zip / Twisted Pair

External Round Shielded

Internal Round Unshielded

Optical Technology

External Flat Shielded

SCSI Cable Application Info

Low Frequency Copper Products

Part Information | Outline Drawing | Introduction | Specifications | Ordering Information 🔼 Part Information:



Part Number: 169-2832-034

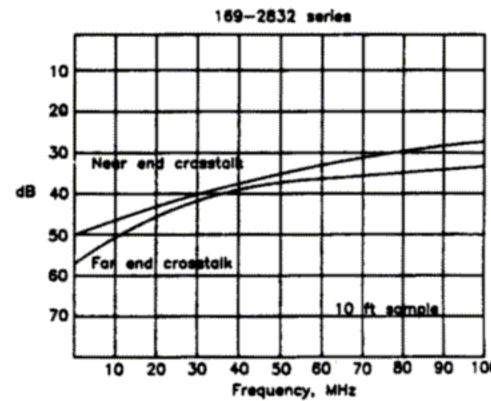
Description: Loose pair round Twist 'N' Flat aluminum and

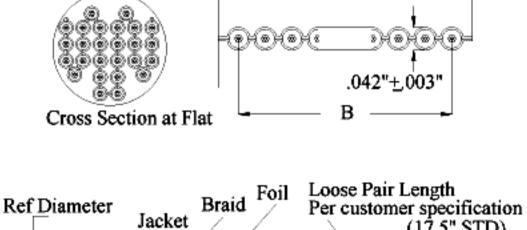
braid, .050 pitch, 28 awg, 34 conductors

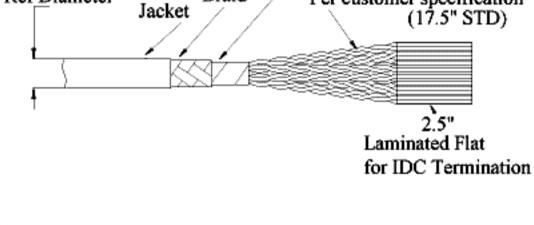
Family: Round and Flat

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## 🥯 Outline Drawing









## Loose Pair Round Twist 'n' Flat cable is designed to combine the

Introduction

electrical performance and handling features of discrete twisted pair cable with the mass termination capabilities of flat ribbon cable. The inner cable consists of 28-7 AWG tinned copper conductors

insulated with PVC and twisted into loose pairs. Conductors are

laminated in parallel on .050" conductor spacing every 20 inches to accept termination to insulation displacement connectors. Laminated .050" areas can be fabricated at custom intervals. Minimum twist length is 6", maximum twist length is determined by size of put-up. The loose twisted pairs are wrapped in aluminum polyester foil shield and overall tinned copper braid to help meet FCC requirements for

EMI/RFI suppression. A round .030" PVC jacket is extruded over the cable for maximum protection and ease of routing. The center of each laminated .050" area is visible on the outer jacket to locate connector terminating areas quickly and easily.



**Specifications** 

Physical					
Conductors	28-7/36 AWG Tinned Copper				
Color Code	Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black and Repeat with Tan common				
Insulation	Extruded .010" PVC Wall (Laminated Between .005" clear PVC Films at Flat Sections)				
Flat Pitch	.050"				
Shielding	Aluminum/Polyester Foil with Minimum 85% Coverage Tinned Copper Braid				
Jacket	Black PVC, .030" Wall				
Temperature Rating	-20個C to +105個C (-4個F to 221個F)				
UL / CSA rating	UL CL2 CSA AWM I/II A105 deg.C 300V, FT-1				
Electrical					
Voltage	300 volts				
SE Impedance	70 ohms nom				
Diff Impedance	100 ohms nom				
SE Capacitance	25 pF/ft at 1 MHz (82 pF / m)				
Diff Capacitance	17 pF / ft at 1 MHz (55 pF / m)				
Time Delay	1.70 ns/ft (5.58 ns/m)				
Insulation Resistance	10^10 ohms - 10 ft. min.				
<u>^</u>					

Part Number	No. Pairs	Inches	(mm)	Inches	(mm)	OXX	1XX 2XX		
169-2832-010	5	.526	(13.36)	.450	(11.43)	.250	.220		
169-2832-010	5	.526	(13.36)	.450	(11.43)	.250	.220		
169-2832-014	7	.726	(18.44)	.650	(16.51)	.260	.230		
169-2832-016	8	.826	(20.98)	.750	(19.05)	.280	.250		
169-2832-020	10	1.026	(26.06)	.950	(24.13)	.290	.260		
169-2832-026	13	1.326	(33.68)	1.250	(31.75)	.310	.280		
169-2832-034	17	1.726	(43.84)	1.650	(41.91)	.360	.330		
169-2832-040	20	2.026	(51.46)	1.950	(49.53)	.390	.360		
169-2832-050	25	2.526	(64.16)	2.450	(62.23)	.430	.400		
169-2832-060	30	3.026	(76.86)	2.950	(74.93)	.470	.440		
169-2832-064	32	3.226	(81.94)	3.150	(80.01)	.480	.450		
Shielding Variations: -0XX Foil/Brand, -1XX Foil Only, -2XX No Shield, Jacket Only									

Width 'A'

Ref. Dia.

Inches

Soan 'B'

