

Electronic Wire and Cable

Catalog 1242001 Issued 7-98

AMP

Shielded/Jacketed .050 (1.27) Centerline IDC Ribbon Cable, PVC Insulation

1650178

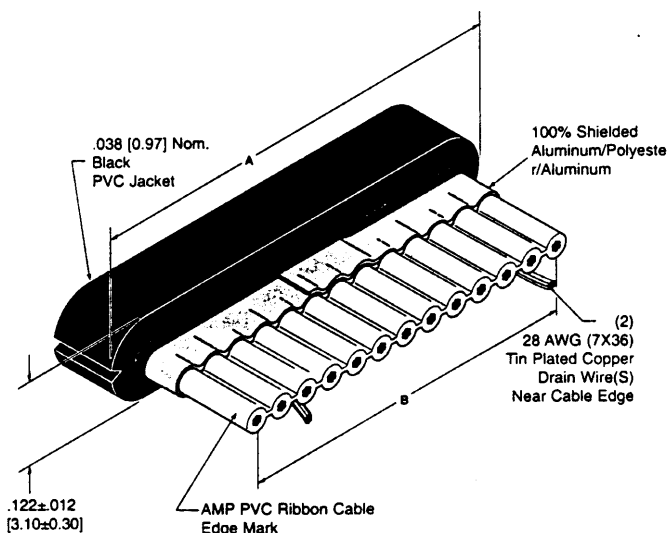
For use with:
AMP-LATCH Connectors

Product Specifications

- ▲ **Voltage Rating:** 300V RMS
- ▲ **Current Rating:** 1 AMP
- ▲ **Conductor Resistance:** 68 ohms/1000ft. (304.8m)
- ▲ **Insulation Resistance:** $>1 \times 10^{10}$ ohms, 10 ft. (3.048m)
- ▲ **Impedance:** 45 ohms
- ▲ **Capacitance @ 1MHz:** 50 pF/ft. (164 pF/m)
- ▲ **Inductance @ 1MHz:** .11 μ H/ft. (.36 μ H/m)
- ▲ **Propagation Delay:** 1.70 ns/ft. (5.6 ns/m)

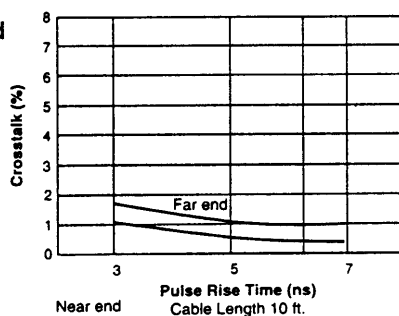
- ▲ **Conductor:** 28AWG (7x36) Tinned Copper
- ▲ **Insulation:** .010" (.254) Nom. Wall Gray PVC
- ▲ **Pitch:** .050" $\pm$.002" (1.27 $\pm$ 0.051)
- ▲ **Color:** Internal Cable: Gray with Polarity Stripe
- ▲ **Shielding:** Aluminum/Polyester/Aluminum
- ▲ **Drain Wires:** Two 28 AWG (7x36) Tinned Copper
- ▲ **Jacket:** .038" (0.97) Nom. Wall Black PVC
- ▲ **UL Listing:** E53793 Style: 20081
- ▲ **Temperature Rating:** -20°C to +105°C
- ▲ **Flammability Rating:** UL: VW-1; CSA: FT-1
- ▲ **CSA Certification:** Certificate Number LL 700828

 Certified



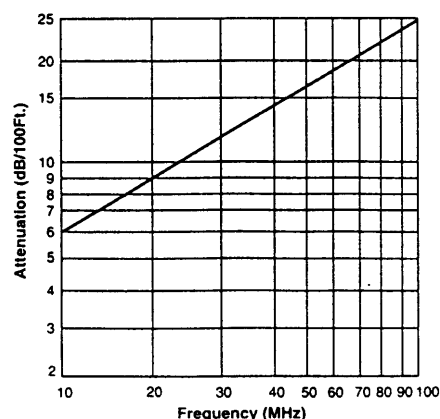
No. of Conductors	Length Per Reel	Dimensions		Part Numbers
		A	B	
9	100'	.550 [13.97]	.400 [10.16]	57646-9
10	100'	.600 [15.24]	.450 [11.43]	1-57646-0
15	100'	.850 [21.59]	.700 [17.78]	1-57646-5
20	100'	1.100 [27.94]	.950 [24.13]	2-57646-0
25	100'	1.350 [34.29]	1.200 [30.48]	2-57646-5
26	100'	1.400 [35.56]	1.250 [31.75]	2-57646-6
34	100'	1.800 [45.72]	1.650 [41.91]	3-57646-4
36	100'	1.900 [48.26]	1.750 [44.45]	3-57646-6
37	100'	1.950 [49.53]	1.800 [45.72]	3-57646-7
40	100'	2.100 [53.34]	1.950 [49.53]	4-57646-0
50	100'	2.600 [66.04]	2.450 [62.23]	5-57646-0
60	100'	3.100 [78.74]	2.950 [74.93]	6-57646-0
64	100'	3.300 [83.82]	3.150 [80.01]	6-57646-4

Unbalanced Crosstalk*



*Test Configuration
G-S-G (Ground-Signal-Ground) with shield ground

Attenuation*



 **MADISON** Brand Cable
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For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Product Information Center: 1-800-522-6752. Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Specifications subject to change. Consult AMP for latest specifications.