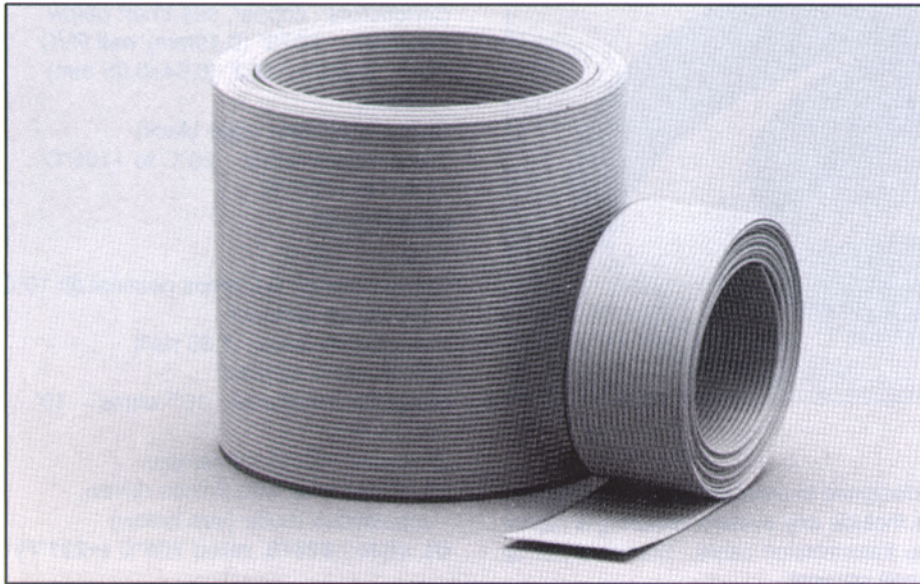


TPE Insulated Zip Cable

193-2801 Series



description

TPE Zip Cable is designed to provide faster signal transmission speed and lower capacitance characteristics than equivalent standard flat ribbon cable constructions. The Thermoplastic Elastomer (TPE) insulation allows this cable to be used in more severe operating environments with wider temperature ranges (65°C to +125°C)

This cable consists of 28 AWG stranded round conductors on .050" centers with an extruded TPE insulation. It is UL recognized at a rating of 125°C, 300 volts (Ref UL Style #20559).

cable selection chart

PART NUMBER	NO. COND.	WIDTH 'A' INCHES (MM)	SPAN "B"	
			INCHES	(MM)
843-193-2801-009	9	.450 (11,43)	.400 ± .007	(10,16 ± 0,18)
843-193-2801-010	10	.500 (12,70)	.450 ± .007	(11,43 ± 0,18)
843-193-2801-014	14	.700 (17,78)	.650 ± .007	(16,51 ± 0,18)
843-193-2801-015	15	.750 (19,05)	.700 ± .007	(17,78 ± 0,18)
843-193-2801-016	16	.800 (20,32)	.750 ± .011	(19,05 ± 0,28)
843-193-2801-020	20	1.000 (25,40)	.950 ± .011	(24,13 ± 0,28)
843-193-2801-024	24	1.200 (30,48)	1.150 ± .011	(29,21 ± 0,28)
843-193-2801-025	25	1.250 (31,75)	1.200 ± .011	(30,48 ± 0,28)
843-193-2801-026	26	1.300 (33,02)	1.250 ± .011	(31,75 ± 0,28)
843-193-2801-034	34	1.700 (43,18)	1.650 ± .011	(41,91 ± 0,28)
843-193-2801-036	36	1.800 (45,72)	1.750 ± .015	(44,45 ± 0,38)
843-193-2801-037	37	1.850 (47,00)	1.800 ± .015	(45,72 ± 0,38)
843-193-2801-040	40	2.000 (50,80)	1.950 ± .015	(49,53 ± 0,38)
843-193-2801-050	50	2.500 (63,50)	2.450 ± .015	(62,23 ± 0,38)
843-193-2801-060	60	3.000 (76,20)	2.950 ± .015	(74,93 ± 0,38)
843-193-2801-064	64	3.200 (81,28)	3.150 ± .015	(80,01 ± 0,38)

benefits

- Wide range of operating temperatures - 65°C to +125°C
- Fast signal speed
- Low capacitance
- UL recognized (UL style no. 20559)

characteristics

Physical

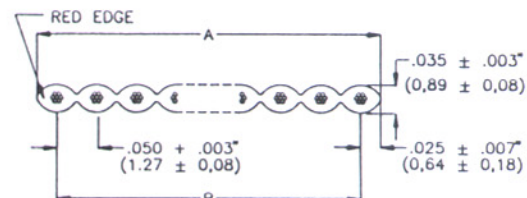
Conductors: 28-7/36 AWG Tinned Copper
Insulation: Extruded TPE, .010" wall
Color: Tan (one edge red)
Temperature Rating:
 -65 to 125°C (-85°F to 257°F)
UL Style: 20559 (125°C, 300 volts)

Electrical

Impedance: 115 ohms
Propagation Delay: 1.35 ns/ft
Capacitance at 1 MHz: 11.0 pf/ft
Inductance at 1 MHz: .18 uh/ft
Insulation Resistance:
 10¹⁰ ohms -10 ft. (min)
Unbalanced CrossTalk:
 5 ns Risetime (10 ft sample), 2 lines driven
 Near End: 3.0% Far End: 3.0%
Note: ground-signal-ground test mode

options

- Available with 28-19 AWG stranded conductors on .050" centers for high flex life applications.
- Also available with .025" conductor spacing.
- 193-2811 Series
28-7/36 105°C TPE
- Consult factory for details.



Dimensions and characteristics subject to change without notice.