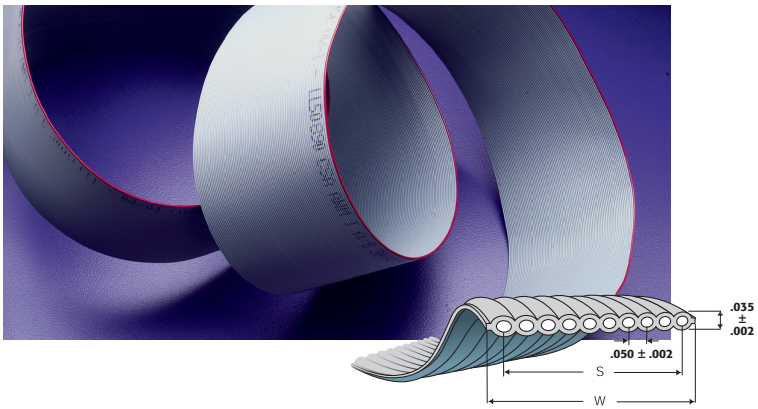
PVC Stranded & Hi-Flex 7 and 19 Strand 0.050 inch (1.27 mm)



UL Style: 2651 **CSA listing: AWM I A/B FT-1**
UL Voltage Rating: 300V **CSA Voltage Rating: 300V**
UL Temp: 105°C **CSA Temp: 105°C**

- *Symmetrical profile offers easy conductor separation (zip) without cable damage and allows reverse termination*
- *0.050 inch (1.27mm) pitch for use with today's low cost IDC connectors*
- *Design for use with high speed automated termination equipment*
- *APPLICATIONS Internal wiring of electronic equipment*

PHYSICAL CONSTRUCTION DESCRIPTION 23100 is extruded gray PVC flat planar cable using 28 AWG (7/36) tinned copper, on 0.050 inch (1.27mm) centers. 23108 is Hi-Flex extruded gray PVC flat planar cable using 28 AWG stranded (19/40) tinned copper, 0.050 inch (1.27 mm) centers. Conductor number one is marked with a red polarity stripe.

23100 Standard Flex Pitch: 0.050 in (1.27 mm)

- 23100 - XX - P - 00YYY
- Conductor AWG: 28 7/36 AWG TC
- Conductor Resistance ohms/1000 ft (ohms/Km): 67.5 (221.4)
- Capacitance Ground-Signal (G-S) pF/ft (pF/m): 8.90 (29.19)
  - (G-S-G) pF/ft (pF/m): 14.0 (45.92)
- Impedance (G-S-G) SE - Single End: 105 ohms
  - (G-S) Differential: 145 ohms
- Propagation Delay Nanoseconds/ft (ns/m): 1.40 (4.59)
  Maximum Skew ns/ft (ns/m): 0.035 (0.114)

	Part Number	# of Conductors	Put-Up	Width "W" Span "S"
Example 1	23100 - 06 - P - 00100	10	100 ft 30.48 m	Width: 0.250 in (6.30 mm)
				Span: 0.225 in (5.72 mm)
Example 2	23100 - 64 - P - 00100	60	100 ft 30.48 m	Width: 1.500 in (38.10 mm)
				Span: 1.475 in (37.46 mm)

Building a Part Number

Part Number Format	23100- XX - P - 00YYY	XX	00YYY	Width: XX * .050 in
				Span: XX* .050 in - .050

XX= No. of conductors: 6, 9, 10, 12, 14, 15, 16, 20, 24, 25, 26, 30, 34, 36, 37, 40, 50, 60, 64
YYY = Put-Up (ft.): 100

23108 Hi-Flex Pitch: 0.050 in (1.27 mm)

- 23108 - XX - P - 00YYY
- Conductor AWG: 28 19/40 AWG TC
- Conductor Resistance ohms/1000 ft (ohms/Km): 63.1 (206.96)
- Capacitance Ground-Signal (G-S) pF/ft (pF/m): 8.36 (27.42)
  - (G-S-G) pF/ft (pF/m): 15.75 (51.66)
- Impedance (G-S-G) SE - Single End: 101 ohms
  - (G-S) Differential: 142 ohms
- Propagation Delay Nanoseconds/ft (ns/m): 2.90 (9.51)
  Maximum Skew ns/ft (ns/m): 0.050 (0.164)

	Part Number	# of Conductors	Put-Up	Width "W" Span "S"
Example 1	23108- 10 - P - 00100	10	100 ft 30.48 m	Width: 0.250 in (6.30 mm)
				Span: 0.225 in (5.72 mm)
Example 2	23108- 50 - P - 00100	50	100 ft 30.48 m	Width: 1.250 in (31.75 mm)
				Span: 1.225 in (31.11 mm)

Building a Part Number

Part Number Format	23108- XX - P - 00YYY	XX	00YYY	Width: XX * .050 in
				Span: XX* .050 in - .050

XX= No. of conductors: 10, 20, 26, 34, 40, 50
YYY = Put-Up (ft.): 100

Other conductor counts and put-ups available upon request. Available in tinned overcoat copper (20069), 30 AWG Solid TC (20052), 28 solid TC (23197), and 26 AWG stranded TC (23043). Other Putup lengths possible. Contact factory for details.