PHYSICAL CONSTRUCTION DESCRIPTION

23100 is extruded gray PVC flat planar cable using 28 AWG (7/36) tinned copper, on 0.050 inch (1.27 mm) 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)

- Conductor AWG: 28 7/36 AWG TC
- Conductor Resistance ohms/1000 ft (ohms/Km): 675 (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     | Width: 0.250 in (6.30 mm)
|             |                  |        | 30.48 m    | Span: 0.225 in (5.72 mm) |
| Example 2   | 23100 - 64 - P - 00100 | 60     | 100 ft     | Width: 1.500 in (38.10 mm)
|             |                  |        | 30.48 m    | Span: 1.475 in (37.46 mm) |

Building a Part Number

**Part Number Format**

23100- XX - P - 00YYY

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)

- 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     | Width: 0.250 in (6.30 mm)
|             |                  |        | 30.48 m    | Span: 0.225 in (5.72 mm) |
| Example 2   | 23108- 50 - P - 00100 | 50     | 100 ft     | Width: 1.250 in (31.75 mm)
|             |                  |        | 30.48 m    | Span: 1.225 in (31.11 mm) |

Building a Part Number

**Part Number Format**

23108- XX - P - 00YYY

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.