

GORE® IDC RIBBON CABLES

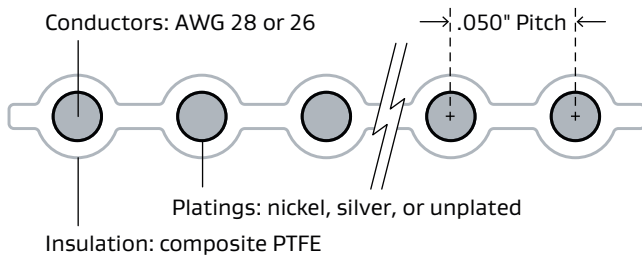
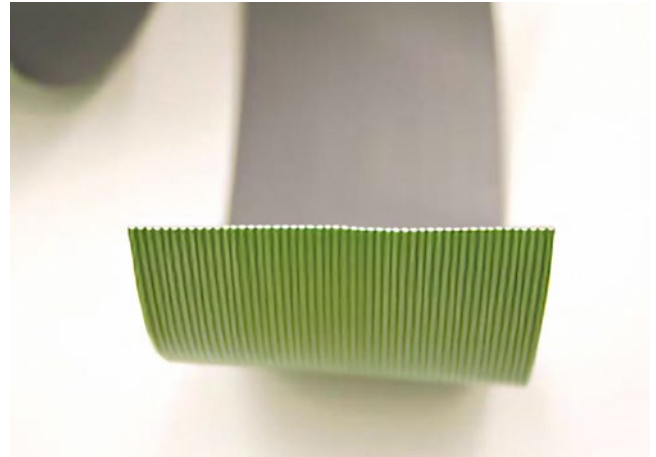
High Flex GFX617-XX19-X-XX

Superior flex life performance

GORE IDC High Flex Ribbon Cables provide reliability and superior flex life performance in demanding environments. The GFX617 cable series has sparked a small revolution in high speed continuous-flex applications because no other cables on the market can demonstrate comparable flex life.

The GFX617 cable series is .050" pitch ribbon cable with conductors available in either 28 or 26 AWG. These cables conform to UL Style 20453.

These cables are often used in linear motion, inspection, and pick-and-place applications.

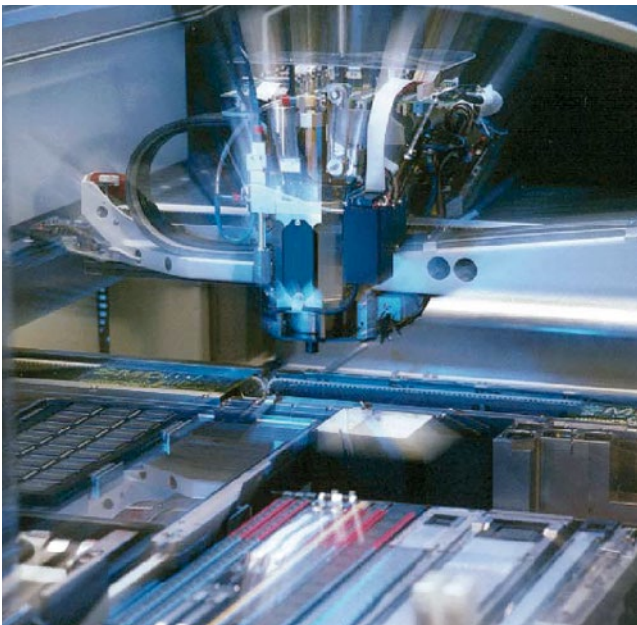


Key Features

- .050" pitch
- 26 AWG or 28 AWG conductors
- Conductor plating: silver, nickel, or unplated
- Composite PTFE insulation

Key Benefits

- Superior flex life
- Prevents system downtime
- Reliable performance in demanding environments
- Non-outgassing for vacuum environments



Ordering information

GFX617 - XX19 - X - XX

Number of conductors

Conductor plating
(S = Silver, N = Nickel, U = Unplated)

AWG (28 or 26) stranding

Specification

Standard cable color shall be gray/gray.
Other colors available upon request.

Electrical properties

Property	Unit	28 AWG	26 AWG
Capacitance			
Ground, signal, ground	pf/ft	8.1	9.7
Characteristic impedance			
Ground, signal, ground	Ω	128	110
Velocity of propagation	as % of air	88	85
Time delay	ns/ft	1.17	1.21
Effective dielectric constant	ϵ	1.30	1.40
Voltage rating	RMS	300	300

Mechanical properties

Property	28 AWG	26 AWG
Temperature range		
Nickel-plated conductors	-65 °C to +260 °C	-65 °C to +260 °C
Silver-plated conductors	-65 °C to +200 °C	-65 °C to +200 °C
Unplated conductors	-55 °C to +150 °C	-55 °C to +150 °C

Flexing properties

Property	28 AWG	26 AWG
Minimum flex life 3/4" radius	100,000,000 cycles	50,000,000 cycles

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