



# GORE™ IDC Ribbon Cable

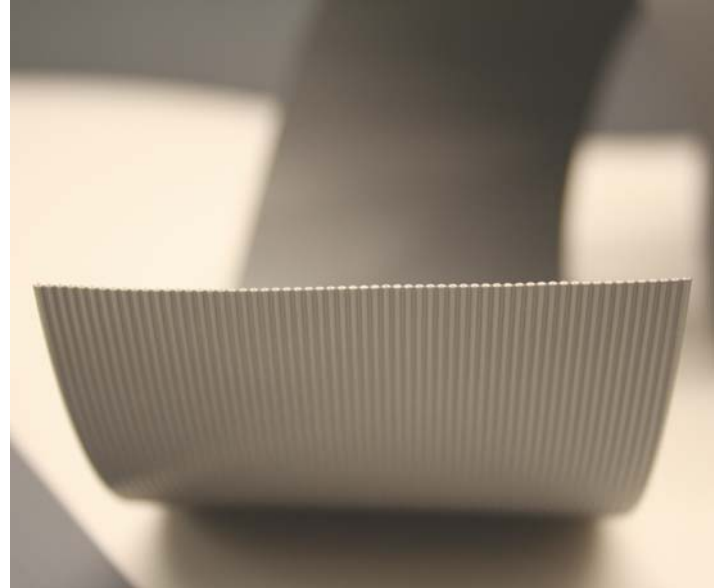
High Temperature  
GTX602-XXXX-X-XX

## .050" High Temperature Non-Burning Cable

The GTX602 series of GORE™ IDC Ribbon Cables are high temperature non-burning cables. These cables withstand extreme chemical and thermal environments, are vacuum compatible, and resistant to aging. The cables are robust and provide protection from mishaps during system assembly, operation, and repair.

The GTX602 cable series provides lower crosstalk, higher impedance, and lower capacitance than most .050" center cables on the market. The superior electrical characteristics allow longer cable lengths resulting in fewer limitations in design packaging, routing, and adjustment of cable lengths. These cables conform to UL Style 20453.

These cables are often used in areas subject to soldering operations and field repairs, petroleum environments, high reliability systems, and high temperature applications.

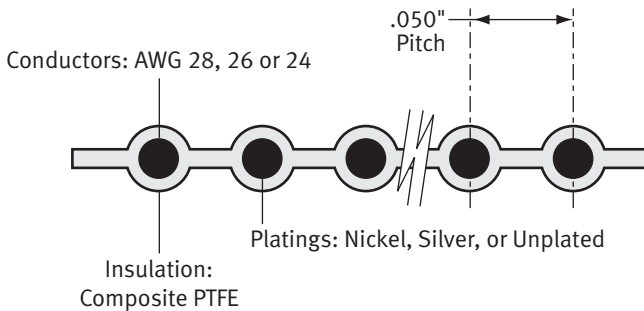


### KEY FEATURES

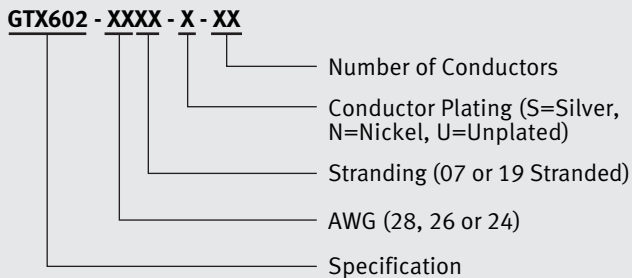
- .050" pitch
- 28, 26, or 24 AWG conductors
- Composite PTFE insulation

### KEY BENEFITS

- Extreme thermal resistance
- Chemical immunity
- Low crosstalk
- Superior electrical properties
- Vacuum compatible
- Resistant to aging



### ORDERING INFORMATION



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



# GORE™ IDC Ribbon Cable

## ELECTRICAL PROPERTIES

Property	Unit	28 AWG	26 AWG	24 AWG
Voltage Rating	RMS	300	300	300
Dielectric Withstand Voltage	RMS	1500	1500	1500
Insulation Resistance	MΩ*km	500	500	500
<b>Characteristic Impedance</b>				
Ground, Signal, Ground	Ω	125	105	90
<b>Capacitance</b>				
Ground, Signal, Ground	pf/ft	9.8	12.5	13.2
Time Delay	ns/ft	1.15	1.17	1.18
Velocity of Propagation	as % of air	92	90	88
Effective Dielectric Constant	ε	1.18	1.22	1.25

## CHEMICAL RESISTANCE

Chemical	28 AWG	26 AWG	24 AWG
Acids: Hydrochloric, Sulfuric, Nitric	Excellent	Excellent	Excellent
Alkalis	Excellent	Excellent	Excellent
Hydrocarbons			
Aliphatic, Aromatic	Excellent	Excellent	Excellent
Halogenated	Good to Excellent	Good to Excellent	Good to Excellent
Alcohol	Excellent	Excellent	Excellent
Overall Chemical Resistance	Excellent	Excellent	Excellent

## MECHANICAL PROPERTIES

Property	28 AWG	26 AWG	24 AWG
<b>Temperature Range</b>			
Nickel-Plated Conductors	-65°C to +260°C	-65°C to +260°C	-65°C to +260°C
Silver-Plated Conductors	-65°C to +200°C	-65°C to +200°C	-65°C to +200°C
Unplated Conductors	-65°C to +150°C	-65°C to +150°C	-65°C to +150°C

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**North America**  
1 (800) 445-GORE (4673)

**Europe**  
+49 9144 6010  
+44 1382 561511

**International**  
1 (302) 292-5100

**China: Beijing**  
+86 10 6510 2980

**China: Shanghai**  
+86 21 6247 1999

**China: Shenzhen**  
+86 755 8359 8262

**gore.com**

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**Japan**  
+81 3 3570 8712

**Korea**  
+82 2 393-3411

**Taiwan**  
+886 2 8771 7799

**Singapore**  
+65 6 733 2882

