



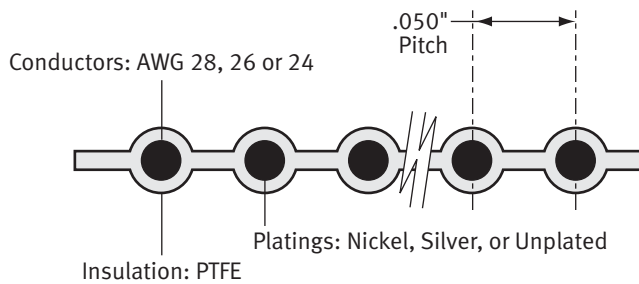
GORE™ IDC Ribbon Cable

*Color Coded
Conductors
GTS811-XXXX-X-XX*

High Performance Color Coded Cable

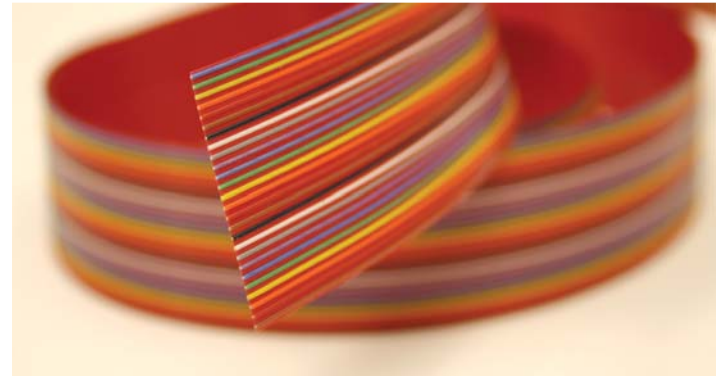
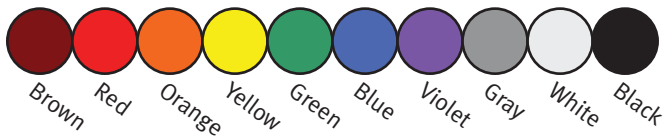
GORE™ IDC Ribbon Cables provide excellent electrical performance and protection from extreme thermal and chemical environments. These cables have industry-standard individual conductor color coding for accurate discrete wire termination and cable polarity identification. The color coding can be in accordance with EIA-359-A or DIN VDE 47100. They are vacuum compatible, resistant to aging, and conform to UL Styles 1371 and 1538.

The GTS811 cable series is used in applications with discrete wiring/IDC terminations, systems with soldered/IDC terminations, high reliability systems, and in high/low temperature environments.



CABLE COLOR CODE

28 AWG	One side of cable is red
26 AWG	One side of cable is blue
24 AWG	One side of cable is black



KEY FEATURES

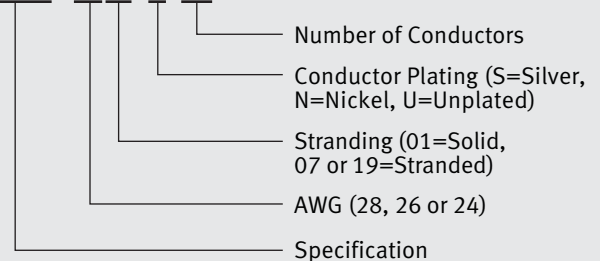
- UL conformity
- Color coding to EIA-359-A or DIN VDE 47100
- .050" pitch
- 28, 26, or 24 AWG conductors
- PTFE insulation

KEY BENEFITS

- Superior electrical performance
- Extreme thermal resistance
- Chemical immunity
- Individual conductor color coding
- Vacuum compatible
- Resistant to aging

ORDERING INFORMATION

GTS811 - XXXX - X - XX





GORE™ IDC Ribbon Cable

ELECTRICAL PROPERTIES

Property	Unit	28 AWG	26 AWG	24 AWG
Voltage Rating	RMS	300	300	300
Dielectric Withstand Voltage	RMS	2000	2000	2000
Insulation Resistance	MΩ*km	500	500	500
Characteristic Impedance				
Ground, Signal, Ground	Ω	125	105	90
Capacitance				
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
Temperature Range			
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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