

High-Temperature Control Cable

For reliable performance in extreme heat conditions

WIPE hotwire High-Temperature Control Cables are engineered to maintain signal integrity and operational stability in the most demanding thermal environments. Built with stranded ATC and silver-plated conductors with ETFE insulation, they withstand extreme heat conditions while ensuring consistent system performance and long-term reliability. From furnace and kiln controls to aerospace and process heating systems, they ensure signals travel cleanly and reliably even under sustained high-temperature exposure, forming the essential link in every heat-intensive operational environment.



Key Features

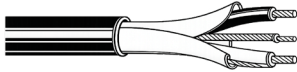
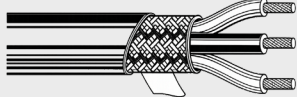
-  Temperature ratings up to 200°C
-  300V and 600V voltage grades
-  Conductor sizes from 16 AWG to 26 AWG
-  1-core to 9-core configurations
-  ETFE insulation and jacket for superior thermal and chemical resistance
-  Aluminum foil (Beldfoil) and 85% silver-plated braid shielding options
-  Stranded ATC and silver-plated conductor options
-  White tape-wrapped ETFE jacket for high-temperature shielded variants

Applications

-  High-temperature industrial process control
-  Furnace, kiln, and oven monitoring systems
-  Aerospace and military equipment wiring
-  Power generation and heat-intensive manufacturing
-  Semiconductor and high-precision thermal environments

Construction

- Stranded (7 x 28) ATC conductors or stranded silver-plated conductors
- Extruded ETFE insulation
- Beldfoil (Aluminum foil) shielding with stranded ATC drain wire (foil shielded variants)
- 85% silver-plated braid shielding (braid shielded, 200°C variant)
- ETFE outer jacket; white tape-wrapped ETFE jacket on braid shielded variants

Part Number	Cable Type	Drawing	Voltage Grade (V)	No. of Core	Cable Size	Construction
WCB02C0T0101	150°C • Unshielded		300	2, 3 & 9 Core	20 & 16 AWG	Stranded (7 x 28) ATC Conductors • Cabled • ETFE Insulation • ETFE Jacket
WCB02C0T01M1	150°C • Aluminum Foil Shield		300	2 & 3 Core	20 & 16 AWG	Stranded ATC Conductors • ETFE Insulation • Cabled • Beldfoil Shielding • Stranded ATC Drain Wire • ETFE Jacket
WCD01C0S01S1	200°C • ETFE • Braid Shield		600	1, 2, 3 & 4 Core	26, 24, 22, 20, 18 & 16 AWG	Stranded Silver-Plated Conductors • Extruded ETFE Insulation • Cabled • 85% Silver-Plated Braid Shielding • White Tape-Wrapped ETFE Jacket

Note : Part codes listed in this table apply only to the standard cable constructions. Customized or non-standard cable constructions shall be assigned part codes as per the nomenclature defined in this catalogue