

Audio, Control & Instrumentation Cable

For precise signal transmission across communication and monitoring systems

WIPE hotwire Audio, Control & Instrumentation Cables are engineered to deliver reliable, interference-free signal transmission for critical communication, control, and monitoring applications. Built with stranded ATC, solid BC, and tinned copper conductors with a comprehensive range of shielding options, they maintain stable performance and operational accuracy across a wide spectrum of industrial and commercial environments.

Audio, control, and instrumentation cables carry the low-level signals that keep communication systems, monitoring networks, and process controls functioning accurately. From audio consoles to industrial control panels, they ensure signals travel cleanly and consistently without noise or degradation, forming the essential link in every precision-critical installation.



Key Features



Temperature ratings from 60°C to 105°C to suit varied operating environments



Voltage grades of 150V, 200V, 300V, 450V, and 600V



Conductor sizes from 14 AWG to 30 AWG



Core configurations from 2 to 50 cores



Unshielded, Aluminum foil, braid, spiral wrap, and combination shielding options



70%, 80%, 85%, 90%, and 95% ATC braid shielding coverage available



Solid BC and stranded ATC conductor options



Polyolefin, PVC, and semi-rigid PVC insulation options

Applications



Audio and broadcast signal distribution



Industrial process control and monitoring



Building automation and management systems



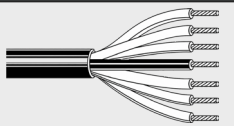
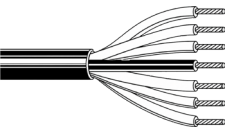
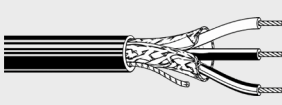
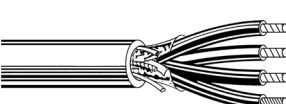
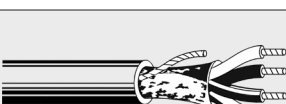
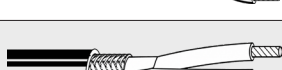
Intercom, PA, and communication infrastructure



Instrumentation and measurement systems

Construction

- Stranded (7 x 26 to 19 x 34) ATC or solid BC conductors
- PVC or polyolefin insulation; semi-rigid PVC on selected variants
- Overall Aluminum foil shielding with stranded ATC drain wire (foil shielded variants)
- 70% to 95% ATC braid shielding or 80% spiral wrap ATC shielding (braid/spiral variants)
- Central textile strength member and paper separator on high-temperature braid variants
- PVC outer jacket standard across all variants

Part Number	Cable Type	Drawing	Voltage Grade (V)	No. of Core	Cable Size	Construction
WCD04CKT0101	80°C • Unshielded		600	4, 5, 7, 9, 12, 15, 19 & 25 Core	16 & 14 AWG	Stranded (19 x 29) TC Conductors • PVC Insulation • Cabled • PVC Jacket
WCB02CPT0101	60°C • Unshielded		300	2, 3 & 4 Core	22 AWG	Solid BC Conductors • Polyolefin Insulation • Cabled • PVC Jacket
WCB04COT0101			300	4, 5, 7, 9 & 15 Core	20 AWG	Stranded ATC Conductors • PVC Insulation • Cabled • PVC Jacket
WCB04CNT0101			300	4, 5, 7, 9, 15, 19 & 25 Core	18 AWG	
WCB03CMT0100	80°C • Unshielded		300	3 Core	16 AWG	Stranded (19 x 29) ATC Conductors • PVC Insulation • Cabled
WCB02CPT0101	80°C • Unshielded		150	2, 3, 4, 5, 7, 8, 9, 10, 12, 15, 20, 25, 30, 40 & 50 Core	22 AWG	Stranded (7 x 30) ATC Conductors • PVC Insulation • Cabled • PVC Jacket
WCB03CPT01M1	60°C • Aluminum Foil Shield		300	3 Core	22, 20, 18 & 16 AWG	Stranded ATC Conductors • Polyolefin Insulation • Cabled • Overall Aluminum Foil Shielding • Stranded ATC Dain Wire • PVC Jacket
WCB04CPT01M1	75°C • Aluminum Foil Shield		300	4 Core	22 AWG	Stranded (19 x 34) ATC Conductors • Polyolefin Insulation • Cabled • Overall Aluminum Foil Shielding • Three 23 AWG and One 25 AWG Stranded ATC Dain Wires • PVC Jacket
WCB04CNT01M1	80°C • Aluminum Foil Shield		300	4 Core	18 AWG	Stranded (19 x 30) ATC Conductors • Semi-Rigid PVC Insulation • Cabled • Overall Aluminum Foil Shielding • 22 AWG Stranded ATC Dain Wires • PVC Jacket
WCB03CPT01M1	90°C • Aluminum Foil Shield		300	3 Core	22 AWG	Stranded (7 x 30) ATC Conductors • Polyolefin Insulation • Cabled • Overall Aluminum Foil Shielding • 22 AWG Stranded ATC Dain Wire • PVC Jacket
WCG03CUT01T1	105°C • Braid Shield		200	3 Core	30 AWG	Stranded (7 x 38) ATC Conductors • Polyolefin Insulation • Cabled • Central Textile Strength Member • Paper Separator • 95% ATC Braid Shielding • PVC Jacket
WCG03CPT01T1	105°C • BraidShield		200	3 Core	22 AWG	Stranded (7 x 30) ATC Conductors • PVC Insulation • Cabled • 70% ATC Braid Shielding • PVC Jacket
WCG06COT01T1	105°C • Braid Shield		200	6 & 12 Core	20 AWG	Stranded (7 x 30) ATC Conductors • PVC Insulation • Cabled • 85% ATC Braid Shielding • PVC Jacket
WCH03CNT01M1	80°C • Spiral Shield		450	3 Core	18 AWG	Stranded (7 x 26) ATC Conductors • PVC Insulation • Cabled • 80% Spiral Wrap ATC Shielding • PVC Jacket
WCB03CPT01T1	"80°C • Braid Shield/ Unshielded"		300	3 Core	22 AWG	Stranded (7 x 30) ATC Conductors • PVC Insulation • Cabled • 80% ATC Braid Shielding Over One Conductor • PVC 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