

Profibus & Fieldbus Cable

For reliable communication in demanding industrial environments

WIPE hotwire Profibus & Fieldbus Cables are engineered to deliver stable, interference-free data transmission across the most demanding industrial automation networks. Built with stranded ATC and solid BC conductors with robust Aluminum foil and braid shielding, they maintain signal integrity and long-term durability against temperature extremes, moisture, dust, and oil exposure.

From sensors and actuators to control rooms and PLCs, they ensure data travels cleanly and consistently without interference, forming the invisible backbone of every process-critical automation environment.



Key Features



FOUNDATION Fieldbus Type A, Type B, High Speed, PROFIBUS DP and PA variants available



300V and 600V voltage grades



14 AWG to 22 AWG conductor sizes



Single pair (1Pr) up to 24-pair configurations



Individually foil shielded pairs with overall Aluminum foil shielding



Aluminum foil combined with 65% or 90% ATC braid shielding options



Polyolefin and cross-linked polyolefin insulation options



Armored variants available for mechanical protection

Applications



Industrial process automation and control



FOUNDATION Fieldbus and PROFIBUS DP/PA networks



Manufacturing and assembly plants



DeviceBus, Interbus, Twinax, and Interconnect paired network systems



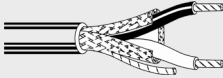
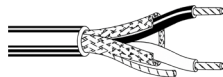
Energy management and efficiency systems

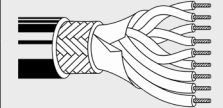


Power distribution and instrumentation infrastructure

Construction

- Stranded (7 x 22 to 7 x 30) ATC or solid BC conductors
- Polyolefin, cross-linked polyolefin, or high-density polyethylene insulation
- ATC drain wire with Aluminum foil shielding
- Overall Aluminum foil with up to 65% ATC braid shielding on selected variants
- PVC inner jacket with orange or grey PVC outer jacket (ARMORED models)
- PVC outer jacket standard; LSZH options available

Part Number	Cable Type	Drawing	Voltage Grade (V)	No. of Core/ Pair	Cable Size	Construction
WIB01PNT01M1	FOUNDATION Fieldbus Type A		300	1 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Aluminum Foil Shielding • PVC Jacket
WIB01PNTY0G1			300	1 Pair		Stranded (7 x 26) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Aluminum Foil + 65% ATC Braid Shielding • PVC Inner Jacket • Armor • Orange PVC Outer Jacket
WIB02PNTM1M1			300	2, 5, 8, 12, 16, 20 & 24 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Individually Foil Shielded Pairs + Overall Aluminum Foil Shielding • PVC Jacket
WIB01PNT01M1			300	1 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Aluminum Foil + 65% ATC Braid Shielding • PVC Jacket
WIB01PNTM1M1			300	1, 2, 5, 8, 12, 16, 20 & 24 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Cross-Linked Polyolefin Insulation • ATC Drain Wire • Individually Shielded Pairs and Overall Aluminum Foil Shielding • PVC Jacket
WIB01PNTM1M1			600	1, 2, 5, 8, 12, 16, 20 & 24 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Cross-Linked Polyolefin Insulation • ATC Drain Wires • Individually Shielded Pairs and Overall Aluminum Foil Shielding • PVC Jacket
WIB01PMTM1M1			300	1, 2, 5, 8, 12, 16, 20 & 24 Pair	16 AWG	Stranded (7 x 24) ATC Conductors • Polyolefin Insulation • ATC Drain Wires • Individually Shielded Pairs and Overall Aluminum Foil Shielding • PVC Jacket
WIB01PMTM1M1			300	1, 2, 5, 8, 12, 16, 20 & 24 Pair	16 AWG	Stranded (7 x 24) ATC Conductors • Cross-Linked Polyolefin Insulation • ATC Drain Wire • Individually Shielded Pairs and Overall Aluminum Foil Shielding • PVC Jacket
WIB01PMTM1M1			600	1, 2, 5, 8, 12, 16, 20 & 24 Pair	16 AWG	Stranded (7 x 24) ATC Conductors • Cross-Linked Polyolefin Insulation • ATC Drain Wire • Individually Shielded Pairs and Overall Aluminum Foil Shielding • PVC Jacket
WIB01PMT01Y1			300	1 Pair	16 AWG	Stranded (7 x 24) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Overall Aluminum Foil + 65% ATC Braid Shielding • PVC Jacket
WIB01PKT01Y1			300	1 Pair	14 AWG	Stranded (7 x 22) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Overall Aluminum Foil + 65% ATC Braid Shielding • PVC Jacket
WIB01PPT01M1	FOUNDATION Fieldbus Type B and High Speed		300	1 Pair	22 AWG	Stranded (7 x 30) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Aluminum Foil Shielding • PVC Jacket
WIB01PPT01Y1	PROFIBUS DP		300	1 Pair	22 AWG	Solid BC Conductors • High-Density Polyethylene Insulation (Red, Green) • Aluminum Foil + 65% ATC Braid Shielding • PVC Jacket
WIB01PNT01M1	PROFIBUS PA		300	1 Pair	18 AWG	Stranded (7 x 26) ATC Conductors • Polyolefin Insulation • ATC Drain Wire • Aluminum Foil Shielding • PVC Jacket
WIB01PPT01Y1	RS-485		---	1, 2, 3 & 4 Pair	22 AWG	22 AWG (7 x 30) Stranded ATC Conductors • Polyethylene Insulation • ATC Drain Wire • Overall Aluminum Foil + 90% ATC Braid Shielding • Black PVC Jacket
WIB02PPT01X1			---	2 Pair	22 AWG	22 AWG (7 x 30) Stranded ATC Conductors • Polyethylene Insulation • ATC Drain Wire • Overall Aluminum Foil + 90% ATC Braid Shielding • Armor • Black PVC Jacket

Part Number	Cable Type	Drawing	Voltage Grade (V)	No. of Core/ Pair	Cable Size	Construction
WIB02PLTM1T1	DeviceBus Cables		---	2 Pair	15 AWG + 18 AWG	15 (19 x 28) and 18 (19 x 30) AWG Stranded ATC Conductors • FEP (Data), PVC/Nylon (Power) Insulation • Individually Foil Shielded Pairs + Overall 65% ATC Braid Shielding • PVC Jacket
WIB02PMTM1T1			---	2 Pair	16 AWG + 18 AWG	16 (19 x 29) and 18 (19 x 30) AWG Stranded ATC Conductors • FR Polypropylene (Data), PVC/ Nylon (Power) Insulation • Individually Foil Shielded Pairs + Overall 65% ATC Braid Shielding • Gray PVC Jacket
WIB02PMT0101			---	2 Pair	16 AWG + 18 AWG	16 (19 x 29) and 18 (19 x 30) AWG Stranded ATC Conductors • FR Polypropylene (Data), PVC/ Nylon (Power) Insulation • Unshielded • Gray PVC Jacket
WCB03CTT01Y1	WH Series INTERBUS-CABLE		---	3 Core+ 3 Pair	28 AWG + 24 AWG	18 AWG (7 x 26) and 24 (7 x 33) Stranded ATC Conductors • Polyethylene (Data), PVC (Power) Insulation • ATC Drain Wire • Overall Aluminum Foil + 90% ATC Braid Shielding • Polyurethane Jacket
WIB03PRT01YU			---	3 Pair	24 AWG	Stranded 24 AWG (7 x 32) ATC Conductors • PE Insulation • Overall Aluminum Foil + 90% ATC Braid Shielding • Polyurethane Jacket
WIB01POT01Y1	WH Series Industrial Twinax		300	1 Pair	20 AWG	20 AWG Stranded (7 x 28) ATC Conductors • Polyethylene Insulation • Overall Aluminum Foil + 55% ATC Braid Shielding • PVC Jacket
WIB01POT01Y1			300	1 Pair	20 AWG	20 AWG Stranded (42 x 36) ATC Conductors • Polyethylene Insulation • Overall Aluminum Foil + 85% ATC Braid Shielding • PVC Jacket
WIB01POT01YE			300	1 Pair	20 AWG	20 AWG Stranded (7 x 28) ATC Conductors • Polyethylene Insulation • Overall Aluminum Foil + 55% ATC Braid Shielding • LDPE Jacket
WIB01POT01YP			300	1 Pair	20 AWG	20 AWG Stranded (7 x 28) ATC Conductors • Low-Density Polyethylene Insulation • Overall Aluminum Foil + 55% ATC Braid Shielding • Polyethylene Jacket
WIB01POT01YF			300	1 Pair	20 AWG	Stranded (7 x 28) ATC Conductors • FEP Insulation • Overall Aluminum Foil + 55% ATC Braid Shielding • FEP Jacket
WIB01POT01T1	Twinax Cables		---	1 Pair	20 AWG	20 AWG Stranded (7 x 28) ATC Conductors • Polyethylene Insulation (Blue, Clear) • 93% ATC Braid Shielding • PVC Jacket
WIB01PNT00T1			---	1 Pair	18 AWG	"18 AWG Stranded (7 x 26) BC Conductors • Polyethylene Insulation (Clear, Clear) • Polyethylene Inner Jacket • 95% ATC Double Braid Shielding • Black Non-contaminating PVC Outer Jacket"
WIB01POT00Y1			---	1 Pair	20 AWG	20 AWG Stranded (7 x 28) One ATC, One BC Conductor • Polyethylene Insulation (Natural, Natural) • Polyethylene Inner Jacket • Double Aluminum Foil + ATC Braid (86%) Shielding • Black PVC Outer Jacket
WIB01PST01M1			---	1 Pair	25 AWG	25 AWG Stranded (7 x 33) ATC Conductors • Polyethylene Insulation (Blue, Clear) • Aluminum Foil • PVC Jacket
WIB01PPT01M1			---	1 Pair	22 AWG	22 AWG stranded (19 x 34) ATC Conductors • Datalene Insulation (Black, Yellow) • Duofoil Shielding • Black PVC Jacket • Stranded ATC Drain Wire
WIB01PNT01Y1	DataLine 600V Twinax		---	1 Pair	18 AWG	"18 AWG Stranded (7 x 26) ATC Conductors • Flame-retardant Polyolefin Insulation (Natural, Blue) • Overall Aluminum Foil + 55% ATC Braid Shield • Blue Sunlight-resistant PVC Jacket • ATC Drain Wire"

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