



Gore™ Shielded Twisted Pair

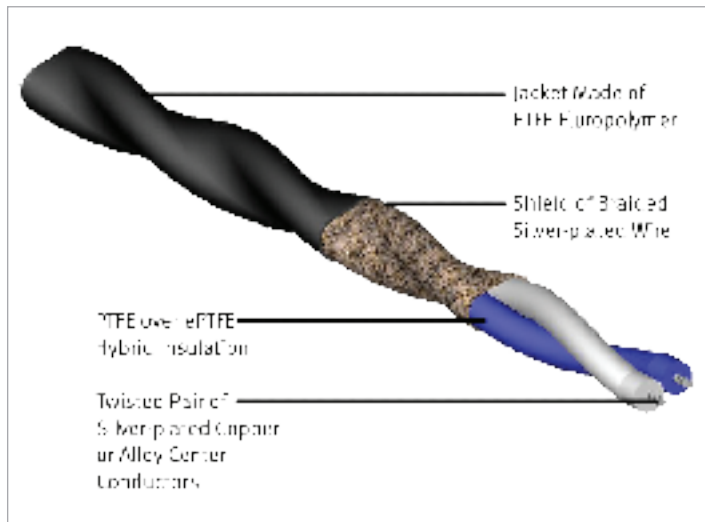
CONTROLLED IMPEDANCE WIRE

Summary

Gore manufactures a broad range of standard and custom controlled-impedance shielded twisted pair wire. All versions benefit from Gore's 40 years of vertical integration of fluoropolymer material development, highly evolved tape wrap process and design know-how.

Especially suited for mil/aero harness applications

- All materials rated for temperature extremes
- Non-flammable, non-outgassing materials
- Extreme uniformity from Gore's proprietary tape wrapped materials and process
- Hybrid insulation for small size and easy stripping
- Tefzel® jacket for improved radiation resistance

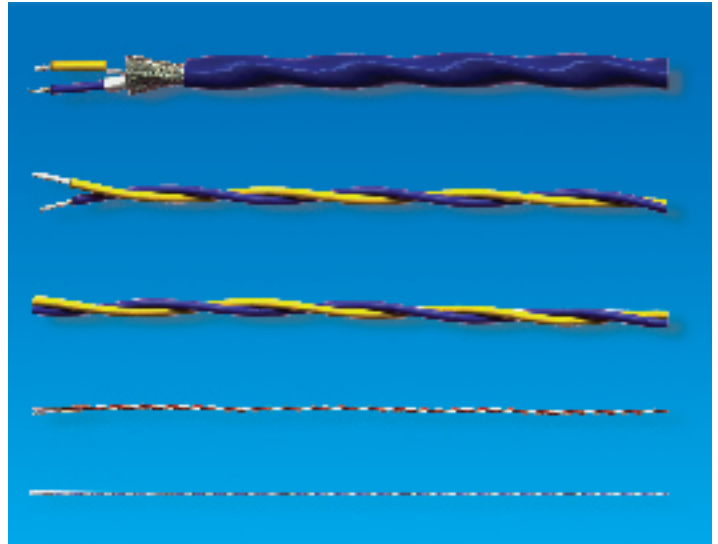


GORE SPECIALIZES IN HIGH-PERFORMANCE CUSTOM SOLUTIONS

Gore manufactures a range of standard controlled-impedance shielded twisted pair as shown above. If your needs include special performance or size, we would be happy to provide a quotation.

CUSTOM IMPEDANCE

100 Ω and 120 Ω impedance is standard, but any other value can be offered.



GORE™ Shielded Twisted Pair, Controlled Impedance Cables are available in a wide variety of sizes.

PROPERTIES OF GORE™ CONTROLLED IMPEDANCE, SHIELDED TWISTED PAIR

Construction	Two silver-plated copper conductors each insulated with overlapping tapes of PTFE insulation, twisted and shielded with silver-plated copper braid wire with an overall ETFE jacket.
Temperature rating	-55°C to 150°C
Conductors	Silver-plated copper conductors are standard.
Color Coding	The two insulated wires are colored white and blue, standard. The outer jacket is colored black, standard.
Voltage rating	500 Volts
Impedance	100 Ω or 120 Ω are standard. Other impedances are available upon request.



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CONTROLLED IMPEDANCE WIRE

GORE™ CONTROLLED IMPEDANCE SHIELDED TWISTED PAIR PART NUMBERS

GORE Part Number	AWG (Stranding)	Conductor Diameter	Outside Diameter Nominal	Nominal Weight lbs/1000 ft	Impedance
DXN2317	20 (19/32)	0.040"	0.210"	25.1	100 Ω ± 10
DXN2308	22 (19/34)	0.032"	0.172"	17.6	100 Ω ± 10
DXN2309	24 (7/32)	0.024"	0.137"	11.0	100 Ω ± 10
DXN2310	26 (19/38)	0.020"	0.110"	9.0	100 Ω ± 10
DXN2311	28 (7/36)	0.015"	0.094"	6.4	100 Ω ± 10
DXN2318	30 (7/38)	0.012"	0.090"	4.9	100 Ω ± 10
DXN2319	20 (19/32)	0.040"	0.232"	29.7	120 Ω ± 10
DXN2312	22 (19/34)	0.032"	0.190"	21.5	120 Ω ± 10
DXN2313	24 (7/32)	0.024"	0.160"	13.2	120 Ω ± 10
DXN2314	26 (19/38)	0.020"	0.133"	11.0	120 Ω ± 10
DXN2315	28 (7/36)	0.015"	0.110"	7.7	120 Ω ± 10
DXN2320	30 (7/38)	0.012"	0.105"	5.3	120 Ω ± 10

IMPEDANCE CONTROL

Standard impedance tolerance is ± 10 Ω. Only Gore can manufacture and wrap extreme-uniformity fluoropolymer tapes to offer impedance control as tight as ± 2% over the entire cable length. Call us for a quote.

REDUCED CABLE SIZE AND INCREASED DURABILITY

Gore is uniquely capable of offering high-integrity, ultra-thin insulation material such as GORE™ High Strength Toughened Fluoropolymer to offer benefits such as:

- Minimum possible diameter for space savings
- Increased flexibility
- Lightest possible weight
- Unparalleled scrape and cut-through resistance

ADDITIONAL OPTIONS

- Custom color coding and stripping
- High strength alloy conductors

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