

**Aumictech**

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Data Sheet

August 15, 2026

BELDEN

Belden 100-11-539 96-Pin Flat Ribbon Cable

The Belden 100-11-539 is a 96-Pin Flat Ribbon Cable designed for reliable signal transmission in electronic applications. This cable features a flat construction for organized wiring and efficient space utilization. Ideal for internal connections in equipment and various data transfer needs.



MODEL Belden 100-11-539	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 100-11-539	LISTING https://aumictechlabs.com/products/100-11-539-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Belden 100-11-539 is a 96-pin flat ribbon cable engineered for reliable signal transmission in internal equipment interconnections and confined-space installations. Its flat profile with 1 mm pitch conductor spacing enables organized wiring and efficient space utilization while maintaining consistent electrical characteristics - impedance, capacitance, time delay, crosstalk, and attenuation - critical for stable data transfer performance. Technical Specifications Conductors: 28 AWG (7×36 stranded), tinned copper with 1 mm (0.03937 in.) pitch spacing Insulation & Jacket: PVC or ETFE insulation; PVC jacket Voltage Rating: 300 V RMS (PLTC, CMG) or 150 V RMS (ITC) Temperature Range: -30°C to +105°C or -65°C to +150°C Capacitance (C-C): 26 pF/ft nominal DC Resistance @ 20°C: 5.96 Ω/1000 ft Maximum Conductor Current: 9 A @ 25°C Cable Diameter: 0.230 in. nominal Minimum Bend Radius (install): 2.250 in. Maximum Pulling Tension: 49 lbs. Weight: 27 lbs/1000 ft Key Features Gray jacket with black polarity stripe marking conductor one

Passes VW-1 Vertical Wire Flame Test, UL1685 FT4 Loading, IEEE 1202, and ICEA T-29-520
Available with multiple shielding configurations for EMI protection RoHS compliant; sunlight resistant; suitable for outdoor use Designed for mass termination with Insulation Displacement Contact (IDC) connectors Typical Applications Internal interconnection and wiring in electronic equipment Computer and embedded system backplane routing High-density signal distribution where stable electrical characteristics are essential Space-constrained enclosures requiring organized conductor management Compatibility & Integration Optimized for IDC connector termination schemes. Fixed conductor spacing ensures predictable propagation delay and crosstalk performance across the 96-pin array.

10011539 Characteristics / Specifications

PARAMETER	VALUE
Model	100-11-539
Brand	Belden
Catalog Title	Belden 100-11-539 96-Pin Flat Ribbon Cable
Sku	100-11-539
Product Class	cable or lead accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	100-11-539
Manufacturer Line	Belden
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	100-11-539
Brand	Belden
Catalog Title	Belden 100-11-539 96-Pin Flat Ribbon Cable
Sku	100-11-539
Product Class	cable or lead accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	100-11-539
Manufacturer Line	Belden
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.