



Data Guide Cable Corporation

Specialty & Custom Cables
Electronic
Robotics & Control
Power



Made in USA

DGC DATA GUIDE
CABLE
SPECIALTY & CUSTOM CABLES

LUETZE INTERNATIONAL GROUP



Efficiency in Automation

Data Guide Cable (DGC) was founded in 1983 and joined the LUETZE International Group in 2015. The group's philosophy is to achieve highest efficiency in automation. Multiple locations worldwide offer solutions for flexible and high flexing cables, cable assemblies, electronic interfaces, current control and cabinet wiring. DGC represents our most experienced competence in cable manufacturing for the Americas.

The main focus is manufacturing products in compliance with USA-specific standards such as NEC, UL, NFPA, ABS, MSHA, etc.

As an experienced specialist, with solutions for cable, connectivity, cabinet and control, we have had a focus on efficiency for many years.

LUETZE defines Efficiency in Automation as the use of sustainable products and solutions to

further increase the performance of our products in our customers' applications.

WIRED FOR WHAT MATTERS



LUETZE INTERNATIONAL GROUP all over the world

Germany - World Headquarters

LUETZE INTERNATIONAL Group

Friedrich Lütze GmbH

Lütze Transportation GmbH

USA

LUTZE Inc.

Data Guide Cable Inc

United Kingdom

LUTZE Ltd.

Austria

Lütze Elektrotechnische
Erzeugnisse Ges.m.b.H.

France

LUTZE SASU

Switzerland

Lütze AG

Spain

LUTZE, S.L.

Czech Republic

LUTZE s.r.o.

China

Luetze Trading (Shanghai) Co.Ltd.



Experienced, knowledgeable staff:



Data Guide Cable

Data Guide Cable is dedicated to be the best in class in Customer Service. Continuously exceeding our customers' expectations has made Data Guide a leader in the cable manufacturing industry:

- Experienced, knowledgeable staff
- Expert design capabilities
- 98% on time or sooner ship dates
- High quality
- ISO 9001:2015 certified

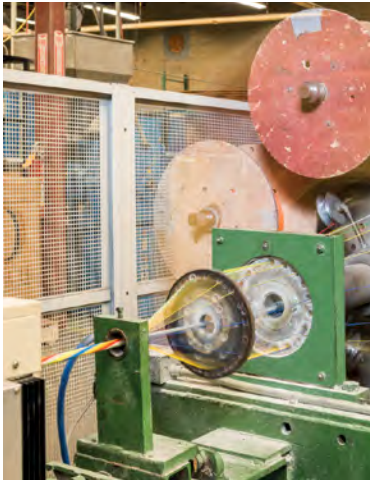
- Fast quote response
- A large variety of approved materials
- Thousands of UL and CSA styles and listings
- Customized products
- RoHS and REACH compliant
- Halogen free materials
- Long time partner relationships
- American-made products

Data Guide Cable's facility consists of 117,000 sq ft of manufacturing space and accommodates 6,000 sq ft of office space.

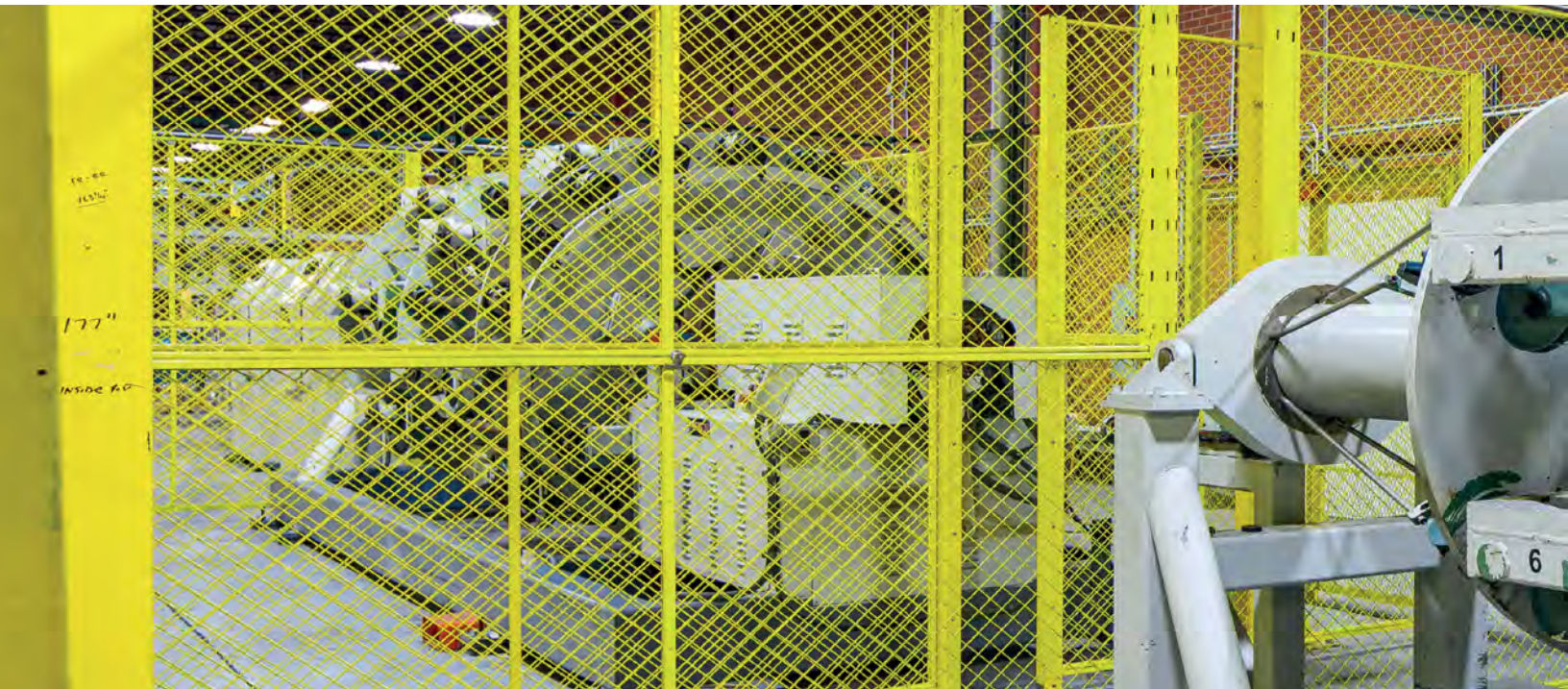
DGC in Gardner, Massachusetts

Data Guide Cable is conveniently located in Gardner, MA. Just over an hour from Boston Logan International Airport.





We are passionate about versatility



Conductor range, insulation capabilities, cabling methods...

Conductor range:

- Sizes 28 AWG through 2 AWG

Insulation capabilities:

- Polyvinyl chloride (PVC)
- Polyethylene (PE)
- Polypropylene (PP)
- Polyester Elastomer
- Foamed PE & Foamed PP
- With or without PVC skins
- Thermoplastic Rubber (TPR)
- Thermoplastic Elastomer (TPE)

- Plenum PVC Alloy (CL2P, CL3P, CMP)

- PVC/Nylon Tandem

- Low Smoke Halogen Free

Cabling methods:

- Cabling, Twining, Bunching
- Planetary Cablers, Neutralizing Payoffs

Shielding:

- Foil and Drain, Copper Tapes
- Spiral Wire Shields
- Braid Shields: 16 & 24 carrier
- Braid Armor: Steel, Aluminium, Bronze

Jackets to 2.00 Diameter Non-Plenum:

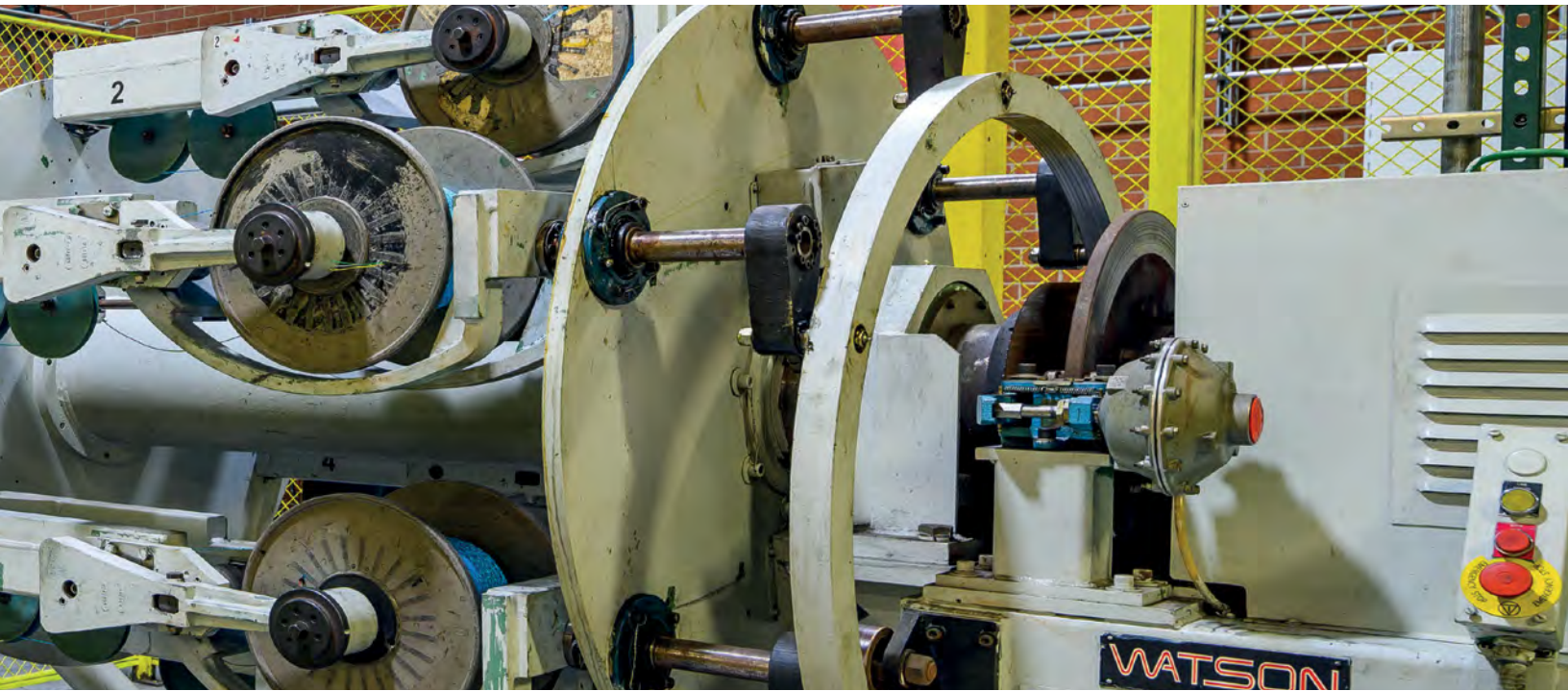
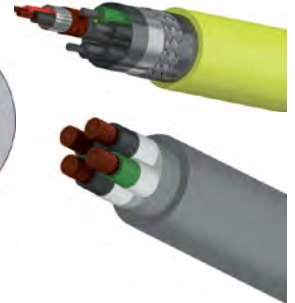
- Polyvinyl chloride (PVC)
- Low Density Polyethylene (LDPE)
- High Density Polyethylene (HDPE)
- Polyurethane
- Thermoplastic Rubber (TPR)
- Thermoplastic Elastomer (TPE)
- Low Smoke Halogen Free
- Nylon 11

Plenum:

- Polymer Alloy (CL2P, CL3P, CMP)



Data Guide Cable is utilizing state of the art design and engineering tools. By using CableBuilder™, our engineers are able to create new product innovations or simply streamline current products and processes.



Quality:

- Inline OD, Lump & Neck Detection
- Torsional stress testing
- VDE 0472 and drag chain testing
- Tensile and Elongation
- Dielectric Voltage Withstand Test
- Flame Tests
- Complete Electrical Characteristic Tests
- C of C and CTR upon request



The Right Chemistry

Data Guide Cable has access to almost unlimited resources due to long term partnerships with our polymer suppliers. The compound industry is in close contact with us and develops special blends for our specific needs. Finding solutions is second nature to Data Guide Cable.

Inorganic	Concentration	PVC	TPE	PUR
Alaune	c.s.	+	+	
Aluminium salts	ec.	+	+	+
Ammonia, a	10 %	+	+	+
Ammonium acetate, a	ec.	+	+	
Ammonium carbonate, a	ec.	+	+	-
Ammonium chloride, a	ec.	+	+	+
Barium salts	ec.	+	+	+
Boric acid	100 %	+	+	O
Calcium chlorid, a	c.s.	+	+	O
Calcium chlorid, a	10 % and 40 %			+
Calcium nitrate, a	c.s.	+	+	
Chrom salts, a	c.s.	+	+	+
Calium carbonate, a (potash)		+	+	
Potassium chlorate, a	c.s.	+	+	
Potassium chloride, a	c.s.	+	+	O
Calcium dichromate, a		+	+	
Calcium iodide, a		+	+	
Calcium nitrate, a	c.s.	+	+	+
Potassium permanganate , a		O	O	-
Potassium sulfate, a		+	+	+
Copper salts, a	c.s.	+	+	+
Magnesium salts, a	c.s.	+	+	O
Sodium carbonate, a (Natron)		+	+	O
Sodium bisulfate, a		+	+	
Sodium chloride , a (common salt)		+	+	+
Sodium thiosulfate, a (fixing salt)		+	+	O
Nickel salts, a	c.s.	+	+	+
Phosphoric acid	50 %	+	+	-
Mercury	100 %	+	+	+
Mercury salts, a	c.s.	+	+	+
Nitric acid	30 %	-	-	-
Hydrochloric acid	concentration	-	-	-
Sulfur	100 %	+	+	+
Sulfur dioxide,	gaseous	+	+	O
Carbon disulfide		-	-	-
Hydrogen sulfide		+	+	-
Sea water		+	+	+
Silver salts, a		+	+	+
Hydrogen peroxide, a	3 %	+	+	+
Zinc salts, a		+	+	-
Tin(II) chloride		+	+	-

Organic	Concentration	PVC	TPE	PUR
Ethyl alcohol	100 %	-	-	-
Formic acid	30 %	-	-	-
Benzine/Benzene		-	O	+
Succinic acid, a	c.s.	+	+	-
Acetic acid	20 %	O	O	O
Hydraulic oil		-	*	O*
Isopropyl alcohol	100 %	-	-	O
Kerosene			O	O
Machine oil		O*	O*	+
Methyl alcohol, a	100 %	O	O	O
Mineral oil, depending on type (ASTM)			*	*
Oxalic acid, a	c.s.	+	+	
Paraffin oil			+	+
Plant oils and greases		O/+*	+	O/+*
Cutting oil		O*	O/+*	+
Tartaric acids, a		+	+	
Citric acid		+	+	

Legend: ec. = each concentration a = aqueous
 c.s. = cold saturated + = resistant
 O = conditionally resistant - = unstable
 * = depending on the additives in oil

Disclaimer: This information shall only serve as support for choosing a suitable material for use with chemical substances. Prior to the final installation a test of the material should be performed with the chemical substances under prospective conditions of use. Lütze assumes no guarantee for the completeness or the correctness of this content, and declines all liability claims, which relate to loss or damage, which was caused by the use of the presented information or recommendations.

All specifications refer to room temperature!

Cables for Every Application



Cables for every application

- Control Cables
- Electronic Cables
- Breather Tubes
- Bus Drop Cables
- CAN Bus
- Chemical and Solvent Resistant Cables
- Extreme Low Temperature Cables
- Fungus Resistant Cables
- Gasoline and Oil Resistant Cables
- Instrumentation Cables
- Load Cell Cables
- Low Smoke Halogen Free Cables
- Marine Control Cables
- Medical Equipment Cables
- Multiple Component Composite Cables
- Pivot Sensor Cables
- Robotic Control and Sensing Cables
- Rodent Resistant Cables
- Severe Abrasion Resistant Cables
- Sewer Inspection Cables
- VFD and Motor Cables



Lots of Choices



Over the years Data Guide Cable has confronted a multitude of technical challenges resulting in a massive knowledge base.

Our competent and well-trained technical and sales engineering staff represent collectively more than 100 years of experience.

Together with this experience, we offer more than 1,000 UL styles and listings, allowing us to tackle our customer opportunities in the most versatile ways.

ONLINE CERTIFICATIONS DIRECTORY

Company Name	Category Name
Data Guide Cable Corp.	Appliance Wiring Material - Component
Data Guide Cable Corp.	Appliance Wiring Material Certified for Canada- Component
Data Guide Cable Corp.	Boat Cable
Data Guide Cable Corp.	Bus Drop Cable
Data Guide Cable Corp.	Communications Cable
Data Guide Cable Corp.	Communications Cable Certified for Canada
Data Guide Cable Corp.	Data Processing Cable
Data Guide Cable Corp.	Fixture Wire
Data Guide Cable Corp.	Flexible Cord
Data Guide Cable Corp.	Flexible Cord and Cable - Component



Company Name	Category Name
Data Guide Cable Corp.	Flexible Cord and Cable Certified for Canada - Component
Data Guide Cable Corp.	Flexible Cord Certified for Canada
Data Guide Cable Corp.	Flexible Motor Supply Cable
Data Guide Cable Corp.	Instrumentation Tray Cable
Data Guide Cable Corp.	Irrigation Feeder, Control and Signal Cable
Data Guide Cable Corp.	Machine-tool Wire
Data Guide Cable Corp.	Nonpower-limited Fire Alarm Cable
Data Guide Cable Corp.	Pendant Cable
Data Guide Cable Corp.	Power and Control Tray Cable
Data Guide Cable Corp.	Power and Control Tray Cable Certified for Canada

Company Name	Category Name
Data Guide Cable Corp.	Power-limited Circuit Cable
Data Guide Cable Corp.	Power-limited Fire Alarm Cable
Data Guide Cable Corp.	Shipboard Cable, Marine
Data Guide Cable Corp.	Thermoplastic-insulated Wire
Data Guide Cable Corp.	Thermoset-insulated Wire
Data Guide Cable Corp.	Wind Turbine Tray Cable
Data Guide Cable Corp.	Wire, Special Purpose



Approvals



- UL Type TC-ER
 - Oil Res I/II, Sun Res, Dir Bur
 - JP (Joist Pull)
- UL WTTC
- UL Type MTW or DP-1
- UL Submersible Pump
- UL Power Limited Circuit
- UL Instrumentation Tray
- UL Flexible Motor Supply Cable or VFD Servo
- UL 1309 Shipboard
 - IEEE 1580-2001
- ULAWM
- UL Communication
- UL Pendant
- UL Boat
- UL Irrigation, Irrigation Feeder Control Signal
- UL Bus Drop
- C(UL) TC
- CSA CIC FT4
- CSA FAS 105
- CSA Control Tray
- CSA TR-64, TR 32
- CSA AWM
- CSA Communication
- Class 1, Div. 2 per NEC Art. 336,392,501
- RoHS
- REACH
- NFPA 79 Compliant
- MSHA
- ABS
- ISO 9001:2015

SkyBLUE
LUTZE



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