**1-800-633-0405**

**LUTZE**
SYSTEMATIC TECHNOLOGY

# IO-Link PVC - Unshielded

LUTZE IO-Link cable from AutomationDirect is available in 22AWG to 16AWG with 3, 4 and 5 conductors. This unshielded signal & control cable is ideal for connecting IO-Link devices to a master and can also be used in conventional applications where IO-Link is not required. With multiple ratings and approvals, LUTZE IO-Link cable has the versatility to meet a wide range of industrial applications. Given its Tray Cable Exposed Run rating, UL Type TC-ER or Power Limited Tray Cable Tray Cable, UL Type PLTC-ER, the cable can be installed between a cable tray and the utilization equipment or device without the need for metal conduit and/or armor resulting in installation and maintenance savings. Cut-to-length in 1-foot increments with a 20-foot minimum length.

- AWG conductor
- Flexible fine wire stranded tinned copper conductors
- PVC/nylon insulation
- Oil-resistant PVC jacket
- Yellow jacket similar to RAL 1021

## Applications

- Multi-conductor industrial grade IO-Link cable
- Sensors, actuators, digital IO hubs, and field devices used in process instrumentation and controls
- Compliant with NFPA 79 requirements
- TC-ER-JP for use with cable trays without conduit
- WTTC – wind turbine tray cable rating for use in wind power generation
- PLTC-ER – power limited tray cable exposed run
- ITC-ER – instrumentation tray cable
- Dry, damp, or wet locations

## Features

- Flexible for easy installation
- Crush and impact resistant
- Non-wicking fillers
- Color-coded conductors
- Specially formulated jacket for oil resistance
- Flame retardant
- Direct burial (AWG 18 and larger)
- Sunlight resistant
- Gas/vapor-tight sheath per UL 1277 & 13
- Talc and silicone free

cULus  cULus  CE  IO-Link

**CUT TO LENGTH CABLES**

**FREE shipping - orders over $49**

*Please Note: Our prices on IO-Link cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.*

**Conductor Colors:**
1 - Blue
2 - Black
3 - Bown
4 - White
5 - Grey

**MONDAY MINUTE**
Cut To Length Wire

*Click on the above thumbnail or go to https://www.automationdirect.com/VID-WD-0016 for a short introduction on our cut to length cable*

## LUTZE IO-Link Cable Specifications

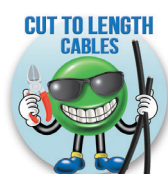| | | | |
|---|---|---|---|
| **Power Conductors Gauge & Stranding** | 22AWG (7 strands) to 16AWG (26 strands), Class K flexible stranded bare copper | **Bending Radius Min.** | 4 x cable OD |
| **Voltage Rating** | AWG 22-20:<br>300V 90C PLTC-ER<br>300V 90C ITC-ER<br>600V MTW<br>1000V 80C AWM | **Approvals\*** | UL/AWM/CE<br>AWM Style 20886<br>(UL) Type MTW or DP-1<br>Meets NEC 336, 392, 725, 727<br>Class I & II, Div. 2 and<br>Class I Zone 2 per NEC 501, 502, 505<br>c(UL) TC and CIC FT4<br>UL 1277 & 13<br>RoHS, REACH, TSCA |
| | AWG 18-16<br>600V 90C TC-ER-JP<br>1000V 90V WTTC<br>600V MTW<br>1000V 80C AWM | | |
| **Outer Jacket Material** | PVC (Polyvinyl chloride) | | |
| **Outer Jacket Color** | Yellow with black print | | |
| **Minimum Temperature** | -40°F (-40ºC) | | |
| **Temperature Ratings** | -40°F to +221°F (-40°C to +105°C) | **Sample Print Legend** | www.lutze.com LUTZE  XXXXXXX IO-LINK AWGxx-xC -- (UL) Type MTW "FLEXING" E324458 90C 600V OR  PLTC-ER SUN RES OIL RES II -40C OR ITC-ER OR AWM 20886 80C 1000V  - LL91737 CSA AMW I/II A/B 90C 600V FT4  - P07-KA090006-MSHA CE ROHS CE-46 2217 MADE IN USA xxxxxxxxft<br>or<br>www.lutze.com LUTZE  XXXXXXX IO-LINK AWGxx-xC -- (UL) Type TC-ER-JP 90C 600V SUN RES DIR BUR OIL RES II -40C OR MTW "CLASS K" OR WTTC E324638 1000V 90 DRY OR DP-1 OR ITC-ER OR PLTC-ER c9UL) TYPE CIC PVC/NCONTROL FT4 OR AWM 20886 80C 1000V  - P-07-KA090006-MSHA  CE ROHS CE-46 2228 MADE IN USA xxxxxxxxft |
| **Oil Resistance** | Oil Res II | | |
| **Conductor Insulation** | PVC / Nylon | | |

See web store for maximum cut lengths
\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

**Wires Cords and Cables**   tCBL-262

# LUTZE
SYSTEMATIC TECHNOLOGY

# 22AWG IO-Link PVC - Unshielded Cable

| 22AWG IO-Link PVC - Unshielded Cable | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Part Number | Jacket Color | Number of Conductors | AWG | Strand | Minimum Cut Length (ft)* | Nominal OD (in) | Minimum Bend Radius (in) | Approximate Weight (lb/ft) | Price per Foot |
| A1022203-1 | Yellow | 3 | 22 | 7/30 | 20 | 0.260 | 1.04 | 0.034 | $0.91 |
| A1022204-1 | Yellow | 4 | 22 | 7/30 | 20 | 0.276 | 1.10 | 0.040 | $1.15 |
| A1022205-1 | Yellow | 5 | 22 | 7/30 | 20 | 0.300 | 1.20 | 0.048 | $1.37 |

* See web store for maximum cut lengths

FREE shipping - orders over $49
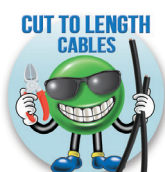
CUT TO LENGTH CABLES

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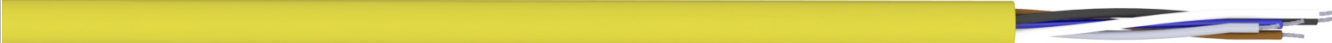
**LÜTZE**
SYSTEMATIC TECHNOLOGY

# 20AWG IO-Link PVC - Unshielded Cable

| 20AWG IO-Link PVC - Unshielded Cable | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Part Number | Jacket Color | Number of Conductors | AWG | Strand | Minimum Cut Length (ft)* | Nominal OD (in) | Minimum Bend Radius (in) | Approximate Weight (lb/ft) | Price per Foot |
| A1022003-1 | Yellow | 3 | 20 | 10/30 | 20 | 0.271 | 1.08 | 0.039 | $1.13 |
| A1022004-1 | Yellow | 4 | 20 | 10/30 | 20 | 0.292 | 1.17 | 0.047 | $1.37 |
| A1022005-1 | Yellow | 5 | 20 | 10/30 | 20 | 0.315 | 1.26 | 0.055 | $1.62 |

*See web store for maximum cut lengths*

FREE shipping - orders over $49

CUT TO LENGTH CABLES

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# LUTZE
## SYSTEMATIC TECHNOLOGY

# 18AWG IO-Link PVC - Unshielded Cable

| 18AWG IO-Link PVC - Unshielded Cable | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Part Number | Jacket Color | Number of Conductors | AWG | Strand | Minimum Cut Length (ft)* | Nominal OD (in) | Minimum Bend Radius (in) | Approximate Weight (lb/ft) | Price per Foot |
| A1021803-1 | Yellow | 3 | 18 | 19/30 | 20 | 0.295 | 1.18 | 0.051 | $1.33 |
| A1021804-1 | Yellow | 4 | 18 | 19/30 | 20 | 0.317 | 1.27 | 0.062 | $1.62 |
| A1021805-1 | Yellow | 5 | 18 | 19/30 | 20 | 0.345 | 1.38 | 0.076 | $2.04 |

* See web store for maximum cut lengths

FREE shipping - orders over $49
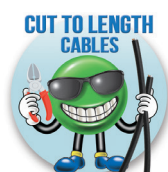
CUT TO LENGTH CABLES

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# 16AWG IO-Link PVC - Unshielded Cable

| 16AWG IO-Link PVC - Unshielded Cable | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Part Number | Jacket Color | Number of Conductors | AWG | Strand | Minimum Cut Length (ft)* | Nominal OD (in) | Minimum Bend Radius (in) | Approximate Weight (lb/ft) | Price per Foot |
| A1021603-1 | Yellow | 3 | 16 | 26/30 | 20 | 0.321 | 1.28 | 0.062 | $1.68 |
| A1021604-1 | Yellow | 4 | 16 | 26/30 | 20 | 0.350 | 1.40 | 0.077 | $2.07 |
| A1021605-1 | Yellow | 5 | 16 | 26/30 | 20 | 0.375 | 1.50 | 0.092 | $2.51 |

*See web store for maximum cut lengths*

FREE shipping - orders over $49

CUT TO LENGTH CABLES