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

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

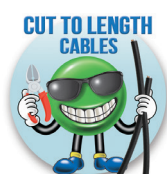|			
Power Conductors Gauge & Stranding	22AWG (7 strands) to 16AWG (26 strands), Class K flexible stranded bare copper	**Bending Radius Min.**	4 x cable OD
Voltage Rating	AWG 22-20: 300V 90C PLTC-ER 300V 90C ITC-ER 600V MTW 1000V 80C AWM	AWG 18-16 600V 90C TC-ER-JP 1000V 90V WTTC 600V MTW 1000V 80C AWM	**Approvals***	UL/AWM/CE AWM Style 20886 (UL) Type MTW or DP-1 Meets NEC 336, 392, 725, 727 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 c(UL) TC and CIC FT4 UL 1277 & 13 RoHS, REACH, TSCA
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 or 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

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22AWG IO-Link PVC - Unshielded Cable

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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	$;;5]7,:
A1022204-1	Yellow	4	22	7/30	20	0.276	1.10	0.040	$;5]80:
A1022205-1	Yellow	5	22	7/30	20	0.300	1.20	0.048	$;5]81:

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20AWG IO-Link PVC - Unshielded Cable

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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	$;5]82:
A1022004-1	Yellow	4	20	10/30	20	0.292	1.17	0.047	$;5]83:
A1022005-1	Yellow	5	20	10/30	20	0.315	1.26	0.055	$;5]84:

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18AWG IO-Link PVC - Unshielded Cable

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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	$;5]85:
A1021804-1	Yellow	4	18	19/30	20	0.317	1.27	0.062	$;5]86:
A1021805-1	Yellow	5	18	19/30	20	0.345	1.38	0.076	$;5]87:

* See web store for maximum cut lengths

FREE shipping - orders over $49
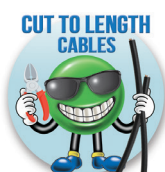
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16AWG IO-Link PVC - Unshielded Cable

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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	$;5]88:
A1021604-1	Yellow	4	16	26/30	20	0.350	1.40	0.077	$;5]89:
A1021605-1	Yellow	5	16	26/30	20	0.375	1.50	0.092	$;5]8a:

* See web store for maximum cut lengths

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