

# LUTZE IO-LINK PVC, Unshielded

## Flexible IO-Link Cable for Stationary Applications



### Application

- 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

### Characteristics

- Flexible for easy installation
- IO-Link max cable length: 20m
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277 & 13
- Specially formulated jacket for oil resistance
- Non-wicking fillers
- Sunlight resistant
- Flame retardant
- Direct burial (AWG 18 and larger)
- Talc and silicone free

### Technical Data

Voltage	
AWG 22-20:	300V 90C PLTC-ER 300V 90C ITC-ER 600V MTW
AWG 18-16:	1000V 80C AWM 600V 90C TC-ER-JP 1000V 90C WTTC 600V MTW 1000V 80C AWM
Temperature range	-40°C - +90°C
Bending radius min	4 x cable OD
Conductor marking	IO-Link color code: BU, BK, BN, WH, GY
Oil resistance	Oil Res II
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

### Construction

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

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG 22 (7/30)</b>					
A1022203	AWG22/3C	6.6	0.260	34	7
A1022204	AWG22/4C	7.0	0.276	40	9
A1022205	AWG22/5C	7.6	0.300	48	11
<b>AWG 20 (10/30)</b>					
A1022003	AWG20/3C	6.9	0.271	39	9
A1022004	AWG20/4C	7.4	0.292	47	12
A1022005	AWG20/5C	8.0	0.315	55	16
<b>AWG 18 (19/30)</b>					
A1021803	AWG18/3C	7.5	0.295	51	18
A1021804	AWG18/4C	8.0	0.317	62	24
A1021805	AWG18/5C	8.7	0.345	76	30
<b>AWG16 (26/30)</b>					
A1021603	AWG16/3C	8.1	0.321	62	24
A1021604	AWG16/4C	8.9	0.350	77	32
A1021605	AWG16/5C	9.5	0.375	92	41

Specifications are subject to change without prior notice

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