

LUTZE SILFLEX® FBP, Unshielded

Flexible Control Cable for Food and Beverage Processing



Application

- Multi-conductor control cable for machine and handling devices in food, beverage and drug processing applications
- FDA sanctioned jacket material for direct food contact per 21 CFR
- Compliant with NFPA 79, Article 12.9
- Suitable for use in food contact zone, splash zone and non-contact zones

Characteristics

- Flame retardant per UL 1581 Cable Flame
- FDA compliance tested per 21 CFR 175.300
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) compliant
- REACH 1907/2006/EC compliant
- RoHS Directive EU 2015/863 compliant
- Phthalate free jacket
- Low capacitance insulation
- Easy stripping and easy installation
- Easy routing and bending due to flexibility
- Resistant to most oils and fats
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Small cable diameter
- Non-wicking fillers
- Talc and silicone free
- Patent-pending design

Technical Data

Voltage	1000V 90C UL AWM 20886
Temperature	-40°C - +90°C static
Minimum bending radius	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground; *2C no ground included
Burning behavior	Flame retardant per UL 1581 Cable Flame
Approvals & compliance	21 CFR 175.300 UL AWM Style 20886 CE, RoHS, REACH NFPA 79 12.9

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- Polypropylene insulation
- Industrial grade phthalate free thermoplastic polymer jacket
- Black jacket similar to RAL 9005

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 20 (10/30)					
A6012002	AWG20/02C*	4.9	0.193	21	6
A6012003	AWG20/03C	5.2	0.203	26	9
A6012004	AWG20/04C	5.6	0.219	31	12
A6012005	AWG20/05C	6.0	0.237	38	16
A6012007	AWG20/07C	6.5	0.255	46	22
A6012012	AWG20/12C	8.6	0.339	77	38
A6012018	AWG20/18C	9.9	0.391	110	56
A6012025	AWG20/25C	11.4	0.448	142	78
AWG 18 (19/30)					
A6011802	AWG18/02C*	5.5	0.217	29	12
A6011803	AWG18/03C	5.8	0.229	38	18
A6011804	AWG18/04C	6.3	0.248	46	24
A6011805	AWG18/05C	6.8	0.269	55	30
A6011807	AWG18/07C	7.7	0.303	75	42
A6011809	AWG18/09C	8.9	0.349	98	54
A6011812	AWG18/12C	9.9	0.389	122	72
A6011818	AWG18/18C	11.7	0.460	176	108
A6011825	AWG18/25C	13.7	0.539	240	151
AWG 16 (26/30)					
A6011602	AWG16/02*	6.1	0.239	35	16
A6011603	AWG16/03	6.4	0.253	47	24
A6011604	AWG16/04	7.0	0.274	58	32
A6011605	AWG16/05	7.6	0.298	70	40
A6011607	AWG16/07	8.5	0.336	95	57
A6011612	AWG16/12	11.3	0.443	157	98
A6011618	AWG16/18	13.1	0.514	224	147
A6011625	AWG16/25	15.3	0.604	305	204
AWG 14 (41/30)					
A6011403	AWG14/03	7.9	0.310	70	38
A6011404	AWG14/04	8.5	0.336	88	51
A6011405	AWG14/05	9.3	0.367	109	64
A6011407	AWG14/07	10.6	0.419	149	89
A6011412	AWG14/12	13.8	0.542	239	154
AWG12 (65/30)					
A6011204	AWG12/04	10.4	0.410	139	84
A6011205	AWG12/05	11.4	0.447	166	105
AWG10 (105/30)					
A6011004	AWG10/04	13.0	0.511	205	130
AWG8 (168/30)					
A6010804	AWG8/04C	16.2	0.636	311	214
AWG6 (266/30)					
A6010604	AWG6/04C	18.2	0.718	453	339

Specifications are subject to change without prior notice