

LUTZE SILFLEX® FBP (C), Shielded

Flexible Control Cable for Food and Beverage Processing



Application

- Dual-shielded 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
- High protection against electromagnetic interference (EMI)
- 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	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
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
- Shielded with foil tape, tinned copper braid with 75% optical coverage, and drain wire
- Industrial grade phthalate free thermoplastic polymer jacket
- Black jacket similar to RAL 9005

Specifications are subject to change without prior notice

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG20 (10/30)					
A6022003	AWG20/03C	5.9	0.233	41	20
A6022004	AWG20/04C	6.3	0.248	47	24
A6022005	AWG20/05C	6.8	0.266	53	28
A6022007	AWG20/07C	7.2	0.285	64	35
A6022012	AWG20/12C	9.4	0.369	103	55
A6022018	AWG20/18C	10.7	0.421	133	75
A6022025	AWG20/25C	12.3	0.486	174	100
AWG 18 (16/30)					
A6021803	AWG18/03C	6.6	0.259	53	30
A6021804	AWG18/04C	7.3	0.289	67	36
A6021805	AWG18/05C	7.9	0.310	77	44
A6021807	AWG18/07C	8.5	0.333	95	57
A6021812	AWG18/12C	10.8	0.427	149	91
A6021818	AWG18/18C	12.4	0.489	202	130
A6021825	AWG18/25C	14.5	0.569	271	176
AWG 16 (26/30)					
A6021603	AWG16/03C	7.2	0.282	66	39
A6021604	AWG16/04C	8.0	0.316	81	48
A6021605	AWG16/05C	8.6	0.340	95	57
A6021607	AWG16/07C	9.3	0.366	122	76
A6021612	AWG16/12C	12.0	0.472	187	120
A6021618	AWG16/18C	14.1	0.556	263	173
A6021625	AWG16/25C	16.2	0.639	348	240
AWG 14 (41/30)					
A6021403	AWG14/03C	8.8	0.348	102	58
A6021404	AWG14/04C	9.5	0.374	121	73
A6021405	AWG14/05C	10.3	0.405	139	86
A6021407	AWG14/07C	11.4	0.449	179	114
A6021412	AWG14/12C	14.5	0.572	276	184
AWG 12 (65/30)					
A6021204	AWG12/04C	11.2	0.439	172	112
A6021205	AWG12/05C	12.1	0.476	204	135
AWG 10 (105/30)					
A6021004	AWG10/04C	13.7	0.540	384	178

These cables are flame resistant in accordance with NFPA 79 article 12.9 "Special Cables and Conductors" and meet stringent FDA food contact requirements per 21 CFR 175.300.

