

InfiniFLEX™ High-Voltage Cables

ULTRA FLEX (1000 V)

Our most flexible power cable to date, the InfiniFLEX Ultra Flex cable, is engineered for dynamic applications such as tilt rotors and turrets. Its enhanced conductor strand fatigue life delivers exceptional durability, while increased flexibility improves routability and reduces installation time. The advanced strand design also minimizes strand splay after insulation stripping, making terminations faster, easier, and more reliable. Our Ultra Flex cables are compatible with Amphenol HV38999, Raptor, ACIT, and H-PAC connectors.

InfiniFLEX Ultra Flex PNs	AWG	Const.	Conductor OD (in.)	Conductor Weight (lbs/1000 ft)	Resistance @ 20 °C (Ω /1000 ft)	WALL	Cable OD (in.)			Wire Weight (lbs/1000 ft)
			Nom	Nom	Max	Nom	Min	Nom	Max	Nom
SIL-0010-200-20N	20	19/32	0.0374	4	9.730	0.028	0.091	0.093	0.095	6
SIL-0010-200-18N	18	19/30	0.0465	6	6.100	0.028	0.101	0.103	0.105	9
SIL-0010-200-16N	16	19/29	0.0525	7	4.760	0.028	0.106	0.109	0.112	11
SIL-0010-200-14N	14	19/27	0.0658	11	2.970	0.028	0.119	0.122	0.125	15
SIL-0010-200-12N	12	37/28	0.0847	18	1.970	0.028	0.138	0.141	0.144	23
SIL-0010-200-10N	10	37/26	0.1070	28	1.240	0.028	0.162	0.163	0.164	34
SIL-0010-200-8N-UFLX	8	19x35/36	0.165	55	0.700	0.028	0.213	0.221	0.229	63
SIL-0010-200-6N-UFLX	6	19x55/36	0.200	79	0.480	0.028	0.248	0.256	0.264	89
SIL-0010-200-4N-UFLX	4	37x45/36	0.275	140	0.320	0.028	0.321	0.331	0.341	154
SIL-0010-200-2N-UFLX	2	37x45/34	0.335	208	0.189	0.028	0.381	0.391	0.401	224
SIL-0010-200-1N-UFLX	1	37x57/34	0.385	268	0.160	0.028	0.426	0.441	0.456	287
SIL-0010-200-1/0N-UFLX	1/0	19x7x20/34	0.450	339	0.130	0.028	0.491	0.506	0.521	361
SIL-0010-200-2/0N-UFLX	2/0	19x7x25/34	0.500	428	0.100	0.028	0.541	0.556	0.571	452
SIL-0010-200-3/0N-UFLX	3/0	19x7x31/34	0.568	496	0.072	0.028	0.596	0.624	0.631	523
SIL-0010-200-4/0N-UFLX	4/0	19x7x40/34	0.635	657	0.056	0.028	0.671	0.691	0.711	687