

Space Cable, 2B & 3B

Cross-Linked ETFE
Type B: 300V, 200°C

Very Lightweight

APPLICATION

These lightweight, high and low temperature space cables utilize an insulation and jacket of cross-linked, modified ethylene tetrafluoroethylene copolymer (ETFE). The cable meets the NASA SP-R-002 General Specification Vacuum Stability Requirement of Polymeric Material for Spacecraft Application.

CONDUCTOR

Silver plated copper or copper alloy

INSULATION

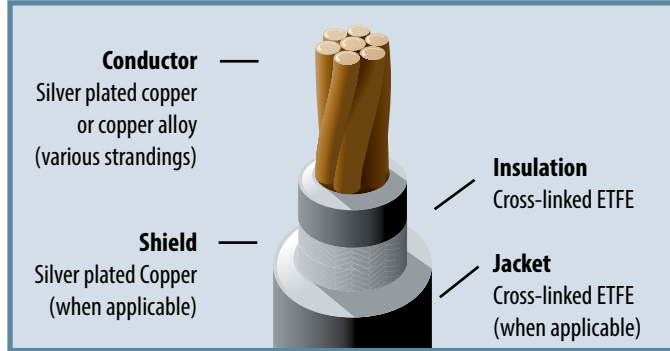
Cross-linked ETFE

Shield

Silver plated Copper (when applicable)

JACKET

White cross-linked ETFE (when applicable)



Part Numbering System

19050/	2	B	30	U	00
Cable Type	No. of Conductors	Component Type	AWG	Shield	Jacket

Part Number	Conductor			Conductor Resistance @20°C	Max. Diameter		Weight				
	Size		Strand-ing		Mate-rial	Inch	mm	lbs/kft	kg/km		
	AWG	mm ²									
Type B, 600V											
19050/2B-30U00	30	.06	7	SA	156	512	.042	1.07	1.22	1.82	
19050/2B-30S23	30	.06	7		156	512	.074	1.88	4.77	7.10	
19050/3B-30U00	30	.06	7		156	512	.045	1.14	1.82	2.71	
19050/3B-30S23	30	.06	7		156	512	.077	1.96	6.23	9.27	
19050/2B-28U00	28	.09	7		74.4	244	.048	1.22	1.73	2.57	
19050/2B-28S23	28	.09	7		74.4	244	.080	2.03	6.20	9.23	
19050/3B-28U00	28	.09	7		74.4	244	.052	1.32	2.58	3.84	
19050/3B-28S23	28	.09	7		74.4	244	.084	2.13	7.14	10.6	
19050/2B-26U00	26	.15	19		45.7	150	.058	1.47	2.64	3.93	
19050/2B-26S23	26	.15	19		45.7	150	.090	2.29	8.08	12.0	
19050/3B-26U00	26	.15	19		45.7	150	.062	1.57	3.94	5.86	
19050/3B-26S23	26	.15	19		45.7	150	.094	2.39	9.47	14.1	
19050/2B-24U00	24	.24	19		28.4	93.2	.068	1.73	3.86	5.74	
19050/2B-24S23	24	.24	19		28.4	93.2	.100	2.54	9.53	14.2	
19050/3B-24U00	24	.24	19		28.4	93.2	.073	1.85	5.76	8.57	
19050/3B-24S23	24	.24	19		28.4	93.2	.105	2.67	11.6	17.2	
19050/2B-22U00	22	.38	19		SC	15.1	49.5	.082	2.08	5.48	8.16
19050/2B-22S23	22	.38	19			15.1	49.5	.116	2.95	12.6	18.8
19050/3B-22U00	22	.38	19			15.1	49.5	.088	2.24	8.18	12.2
19050/3B-22S23	22	.38	19			15.1	49.5	.122	3.10	15.5	23.1
19050/2B-20U00	20	.62	19	9.19		30.2	.102	2.59	8.53	12.7	
19050/2B-20S23	20	.62	19	9.19		30.2	.136	3.45	16.7	24.8	
19050/3B-20U00	20	.62	19	9.19		30.2	.110	2.79	12.8	32.0	
19050/3B-20S23	20	.62	19	9.19		30.2	.144	3.66	21.5	32.0	

The above part numbers represent the more popular constructions. However, other designs are available upon request. All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

APPROVALS AND RATINGS

SCGMS 19050
Temperature Rating: -100°C to 200°C
300 volt,
Shield Coverage 90% minimum.

