

# ALPHA WIRE XTRA-GUARD® Flexible Control Cable



## MULTICONDUCTOR, UNSHIELDED STANDARD-FLEX CONTROL CABLE

RoHS Compliant This product is RoHS compliant.

### Characteristics:

- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: Oil Resistant PVC

### Features:

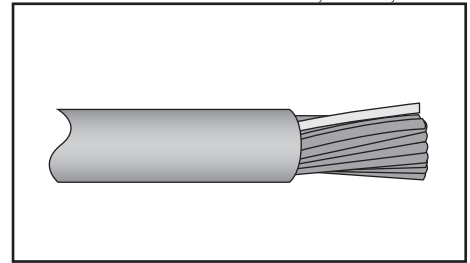
- Outstanding Oil and Chemical Resistance
- Ease of Installation
- Not for use in High-Flex Applications

### Applications:

- Increased Flexibility
- Machine Tools
- CNC Machine Centers
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

### Specifications:

- UL AWM Style 2587, UL CSA AWM I/II A/B FT1 and CE
- Jacket Meets VDE 0472, Section 803 Oil Test
- Bend Radius: 5X Cable Diameter



Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D. (in.)	100 ft. Spool		500 ft. Spool		1000 ft. Spool	
		AWG	Strand			MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool
65002	2	20	10/30	.022	.238	602-65002	89.93	602-65002-500	357.16	602-65002-1000	513.92
65003	3	20	10/30	.022	.251	602-65003	110.00	602-65003-500	432.65	602-65003-1000	595.27
65004	4	20	10/30	.022	.272	---	---	602-65004-500	530.13	602-65004-1000	764.87
65005	5	20	10/30	.022	.305	602-65005	199.12	602-65005-500	722.94	602-65005-1000	1043.05
65007	7	20	10/30	.022	.327	602-65007	207.78	602-65007-500	781.73	602-65007-1000	1127.91
65009	9	20	10/30	.022	.416	602-65009	296.87	602-65009-500	1077.82	602-65009-1000	1555.10
65012	12	20	10/30	.022	.433	602-65012	394.71	602-65012-500	1340.59	602-65012-1000	2067.51
65018	18	20	10/30	.022	.527	602-65018	603.04	602-65018-500	2169.53	602-65018-1000	3130.18
65025	25	20	10/30	.022	.615	602-65025	866.73	602-65025-500	3098.04	602-65025-1000	4457.50
65802	2	18	16/30	.022	.258	602-65802	82.97	602-65802-500	341.70	---	---
65803	3	18	16/30	.022	.272	602-65803	121.71	602-65803-500	420.12	602-65803-1000	616.93
65804	4	18	16/30	.022	.296	602-65804	138.33	602-65804-500	521.87	602-65804-1000	750.88
65805	5	18	16/30	.022	.326	602-65805	185.44	602-65805-500	697.76	602-65805-1000	1006.72
65807	7	18	16/30	.022	.351	602-65807	206.49	602-65807-500	776.94	602-65807-1000	1120.98
65809	9	18	16/30	.022	.445	602-65809	293.49	602-65809-500	1065.47	602-65809-1000	1537.24
65812	12	18	16/30	.022	.470	602-65812	370.42	602-65812-500	1393.73	602-65812-1000	2010.83
65818	18	18	16/30	.022	.567	---	---	602-65818-500	1951.37	602-65818-1000	2807.64
65825	25	18	16/30	.022	.666	602-65825	735.46	602-65825-500	2920.93	602-65825-1000	4202.70
65834	34	18	16/30	.022	.769	602-65834	1101.96	602-65834-500	3938.80	602-65834-1000	5667.21
65841	41	18	16/30	.022	.835	602-65841	1295.82	602-65841-500	4631.80	602-65841-1000	6664.26
65602	2	16	26/30	.022	.284	602-65602	92.65	602-65602-500	410.80	602-65602-1000	591.10
65603	3	16	26/30	.022	.300	602-65603	140.93	---	---	602-65603-1000	765.00
65604	4	16	26/30	.022	.328	602-65604	168.17	602-65604-500	634.53	602-65604-1000	912.99
65605	5	16	26/30	.022	.361	602-65605	217.95	602-65605-500	819.97	602-65605-1000	1183.10
65607	7	16	26/30	.022	.390	602-65607	251.08	602-65607-500	944.61	602-65607-1000	1362.91
65609	9	16	26/30	.022	.509	602-65609	384.74	602-65609-500	1369.39	602-65609-1000	1975.73
65612	12	16	26/30	.022	.536	602-65612	449.02	602-65612-500	1689.46	602-65612-1000	2445.67
65618	18	16	26/30	.022	.632	602-65618	726.97	602-65618-500	2594.71	602-65618-1000	3743.59
65625	25	16	26/30	.022	.756	602-65625	1049.70	602-65625-500	3786.48	602-65625-1000	5466.24
65641	41	16	26/30	.022	.959	602-65641	1649.81	602-65641-500	5897.06	602-65641-1000	8498.89
65402	2	14	41/30	.022	.330	602-65402	141.51	602-65402-500	532.47	602-65402-1000	768.25
65403	3	14	41/30	.022	.351	602-65403	188.24	602-65403-500	683.39	602-65403-1000	986.00
65404	4	14	41/30	.022	.404	602-65404	257.16	---	---	602-65404-1000	1347.11
65405	5	14	41/30	.022	.439	602-65405	299.27	602-65405-500	1086.49	602-65405-1000	1567.53
65407	7	14	41/30	.022	.479	602-65407	361.30	602-65407-500	1285.95	602-65407-1000	1861.59
65409	9	14	41/30	.022	.609	602-65409	419.25	602-65409-500	1844.98	602-65409-1000	2670.81
65412	12	14	41/30	.022	.667	602-65412	628.85	602-65412-500	2289.38	602-65412-1000	3293.98
65418	18	14	41/30	.022	.783	602-65418	1043.17	602-65418-500	3723.27	602-65418-1000	5357.03
65425	25	14	41/30	.022	.953	602-65425	1435.64	602-65425-500	5226.69	602-65425-1000	7520.25

Wire & Cable

Alpha Wire



## MULTICONDUCTOR, UNSHIELDED HIGH-FLEX CONTROL CABLE

### Characteristics:

- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: Oil Resistant PVC

### Features:

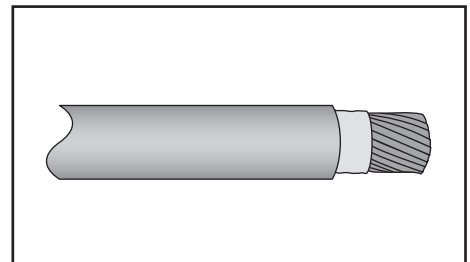
- Outstanding Oil and Chemical Resistance
- Extra Flexibility and Durability for Continuous Motion
- Extended Flex Life up to 14 million flex life cycles

### Applications:

- Robotics
- Assembly
- Installation in Cable Track
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

### Specifications:

- UL AWM Style 2587, Rated CSA AWM I/II A/B FT1 and CE
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 8X Cable Diameter



Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D. (in.)	100 ft. Spool		500 ft. Spool		1000 ft. Spool	
		AWG	Strand			MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool
85004	4	20	63/38	.022	.287	602-85004	429.71	602-85004-500	1480.73	602-85004-1000	2210.03
85005	5	20	63/38	.022	.323	602-85005	457.93	602-85005-500	1607.11	602-85005-1000	2398.63
85007	7	20	63/38	.022	.388	602-85007	505.27	602-85007-500	1738.48	602-85007-1000	2594.78
85012	12	20	63/38	.022	.460	602-85012	661.96	602-85012-500	2449.93	602-85012-1000	3656.60
85018	18	20	63/38	.022	.548	602-85018	919.70	602-85018-500	3403.73	602-85018-1000	5080.31
85025	25	20	63/38	.022	.691	602-85025	1302.98	602-85025-500	4662.31	602-85025-1000	6981.96
85034	34	20	63/38	.022	.746	602-85034	1678.90	602-85034-500	6007.50	602-85034-1000	8966.41
85803	3	18	105/38	.022	.298	602-85803	322.75	602-85803-500	1154.43	602-85803-1000	1723.08
85804	4	18	105/38	.022	.326	602-85804	416.92	602-85804-500	1604.35	602-85804-1000	2394.55
85805	5	18	105/38	.022	.355	602-85805	487.89	602-85805-500	1805.70	602-85805-1000	2695.04
85807	7	18	105/38	.022	.438	602-85807	526.36	602-85807-500	1948.00	602-85807-1000	2907.51
85812	12	18	105/38	.022	.520	---	---	602-85812-500	2779.91	602-85812-1000	4149.15
85815	15	18	105/38	.022	.577	602-85815	924.82	602-85815-500	3540.73	602-85815-1000	5284.71
85818	18	18	105/38	.022	.608	602-85818	1018.36	602-85818-500	4044.52	602-85818-1000	5819.30
85825	25	18	105/38	.022	.767	602-85825	1420.05	602-85825-500	5639.55	602-85825-1000	8114.30
85834	34	18	105/38	.022	.830	602-85834	1836.91	602-85834-500	7032.60	602-85834-1000	10496.82
85603	3	16	168/38	.022	.331	602-85603	366.75	602-85603-500	1261.84	602-85603-1000	1883.43
85604	4	16	168/38	.022	.362	602-85604	477.28	602-85604-500	1827.26	602-85604-1000	2636.29
85605	5	16	168/38	.022	.396	602-85605	525.27	602-85605-500	1872.36	602-85605-1000	2701.46
85607	7	16	168/38	.022	.478	602-85607	664.87	602-85607-500	2366.53	602-85607-1000	3414.45
85612	12	16	168x38	.022	.573	602-85612	881.67	602-85612-500	3375.48	602-85612-1000	5038.08