

Detailed wire selection guide

WIRE SELECTION GUIDE

	CATEGORY	DESCRIPTION					
COPPER CORE	GENERAL-DUTY UNSHIELDED	TurboFlex copper core, imperial or metric gauge, with Duraelectric™ D insulation for optimal UV/sunlight, fire, ozone, fluid and caustic chemical resistance.					
	HIGH-POWER SHIELDED	TurboFlex copper core, imperial gauge, with Duraelectric™ D jacket and braided ground shield for high-power applications.					
	HIGH-POWER SHIELDED (SWaP)	TurboFlex copper core, imperial gauge, with Duraelectric™ D jacket and lightweight braided ground shield for high-power / SWaP applications.					
	ABRASION-RESISTANT / HIGH-TEMP	TurboFlex copper core, imperial gauge, with Duraelectric™ D insulation. Fabric overbraiding for additional abrasion and heat protection.					
	HIGH-VOLTAGE / HIGH-POWER	TurboFlex copper core, imperial gauge, with Duraelectric™ L jacket, braided ground shield, and three layers of conductive/insulating Duraelectric materials for high-voltage, high-power applications.					
	LIGHTWEIGHT INSULATION	TurboFlex copper core, imperial gauge, Duraelectric™ L insulation for weight savings and abrasion protection.					
	LOW-TEMP / RAD-RESISTANT	TurboFlex copper core, imperial gauge, with ultra low temperature/gamma radiation resistant Duraelectric™ K insulation for space-grade applications.					
	SWAMP ZONE FUEL-RESISTANT	TurboFlex copper core, imperial gauge, with harsh-environmental (SWAMP-zone) Duraelectric™ F for chemical/jet fuel resistance and low-temperature flexibility.					
	UL-RECOGNIZED	TurboFlex copper core, imperial gauge, with Duraelectric™ D insulation. IAW UL 758 Style 3644.					
	3-PHASE POWER SYMMETRIC	Multi-conductor TurboFlex designs for 3-phase power applications. Copper core. Duraelectric™ D jacket. Optional high-temp tolerant Nomex® braid. <table border="0" style="margin-left: 20px;"> <tr> <td></td> <td>3-phase symmetric with drain wire</td> </tr> <tr> <td></td> <td>3-phase symmetric, full-size ground</td> </tr> <tr> <td></td> <td>3-phase symmetric, full-size ground + signal wire</td> </tr> </table>		3-phase symmetric with drain wire		3-phase symmetric, full-size ground	
	3-phase symmetric with drain wire						
	3-phase symmetric, full-size ground						
	3-phase symmetric, full-size ground + signal wire						
ALUMINUM CORE	GENERAL-DUTY UNSHIELDED	TurboFlex aluminum core, imperial gauge, with Duraelectric™ D insulation for optimal UV/sunlight, fire, ozone, fluid and caustic chemical resistance.					
	HIGH-POWER SHIELDED	TurboFlex aluminum core, imperial gauge, with Duraelectric™ D jacket and braided ground shield for high-power applications.					
	HIGH-POWER SHIELDED (SWaP)	TurboFlex aluminum core, imperial gauge, with Duraelectric™ D jacket and lightweight braided ground shield for high-power / SWaP applications.					
	ABRASION-RESISTANT / HIGH TEMP	TurboFlex aluminum core, imperial gauge, with Duraelectric™ D insulation. Fabric overbraiding for additional abrasion and heat protection.					
	LIGHTWEIGHT INSULATION	TurboFlex aluminum core, imperial gauge, with Lightweight Duraelectric™ L insulation for weight savings and outstanding abrasion protection.					

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JACKET/INSULATION THICKNESS	VAC RATING	AWG/METRIC	AVAILABLE GAUGES (AWG OR mm ²)	P/N	PG
.125"	4500	AWG	1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-001	13
3.18mm	4500	metric	50, 70, 95, 120, 150, 185, 240, 300, 500	961-011	14
.093"	3500	AWG	8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-002	15
2.36mm	3500	metric	10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300	961-012	16
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-003	17
1.57mm	3000	metric	4, 6, 10, 16, 25, 35, 50, 70	961-006	18
.032"	2000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-004	19
.81mm	2000	metric	1.5, 2.5, 4, 6, 8, 10, 16, 25, 35, 50	961-014	20
.032"	2000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1, 0 (TurboFlex M with M22759-type conductor)	967-011	21
.016"	1000	AWG	20, 16, 14, 12, 10, 8	961-031	22
Dual .030"/.032"	3000	AWG	12, 10, 8, 6, 4, 2, 1/0, 2/0	961-035	23
.093"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-161	24
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-007	26
1.57	3000	metric	4, 6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240	961-005	28
Dual .032"/.030"	2000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-129	30
.016"	1000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-143	32
.093"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-163	34
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-153	36
.032"	2000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-155	38
.016"	1000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-157	40
.032"-.125"	2000-4500	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-044	42
.060" / .030" / .025" / .025"	HV / HP	AWG	8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-113	44
.025"	1250	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-041	46
.016"/.032"/.062"	1000-3000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-033	47
.016"/.016"	1000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-139	48
.035"-.100"	1000	AWG	20, 16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-065	49
	3000	AWG	16, 12, 8, 4, 1/0	960-3300	51
.062"	3000	AWG	16, 12, 8, 4, 1/0	960-3301	52
	3000	AWG	16, 12, 8, 4, 1/0	960-3302	53
.096"	3500	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-165	54
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-062	55
.032"	2000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-148	56
.016"	1000	AWG	16, 14, 12, 10, 8	961-151	57
.093"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 350MCM, 450MCM	961-162	58
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-145	60
.031"	2000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-147	62
.016"	1000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-150	64
.093"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-164	66
.062"	3000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-154	68
.032"	2000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0	961-156	70
.016"	1000	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-158	72
.032"-.125"	2000-4500	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0, 2/0, 3/0, 4/0, 250MCM, 450MCM	961-167	74
.025"	1250	AWG	16, 14, 12, 10, 8, 6, 4, 2, 1/0	961-042	76

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