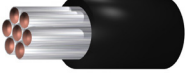


Insulated wires / ETFE

Internal wiring (see individual AWM style for limitations)

Style No.	Rating		Core					Finished cable	
	Temp.	Voltage	Conductor	Size		Insulation	Size		
				AWG			Min Avg. T		
	°C	V AC rms	Material	Min	Max	Material	mm		Intended use
UL 1868	60	30	-	40	-	ETFE	0.51		Internal wiring, in Class 2 circuits only
UL 10231	90	30	-	50	22	ETFE	0.04	Internal wiring or as insulated single in jacketed multi-conductor cables	
UL 1513	105	VNS	HSA NPC SPC TPC	36	20	ETFE	0.13	In back panel areas of electrical equipment, where not subject to movement or mechanical damage	
UL 1516			-	36	10	ETFE	0.10	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1517			CU TPC	32	20	ETFE	0.15	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1523			HSA NPC SPC TPC	32	20	ETFE	0.13	In back panel areas of electrical equipment, where not subject to movement or mechanical damage	
UL 1586			CU Alloy NPC SPC TPC	36 19 15 9	20 16 10 6	ETFE	0.14 0.20 0.33 0.51	In back panel areas of electrical equipment, where not subject to movement or mechanical damage	
UL 1508			30	-	32	20	ETFE	0.14	In back panel areas of electrical equipment, where not subject to movement or mechanical damage
UL 1609			125	CU Alloy SCCS NPC SPC TPC	36 19 15 9	20 16 10 6	ETFE	0.14 0.20 0.33 0.51	In back panel areas of electrical equipment, where not subjected to movement or mechanical damage. Tag may indicate "300V peak - For electronic use only"
UL 1831			150	HSA NPC SPC TPC	24	18	ETFE	0.13	Internal wiring
UL 10277			300	CU HSA NPC SPC TPC	32	10	ETFE	0.18	Internal wiring
UL 10278				-	30 24 22 20	25 - - -	ETFE	0.14 0.15 0.18 0.20	For further processing in jacketed cables
UL 1990	600	CU Alloy CU NPC SPC TPC	30 8 1	10 2 4/0	ETFE	0.51 0.76 1.14	Internal wiring Tag may indicate "2500V peak - For electronic use only"		

Characteristics and key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU
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Certified to
UL 758

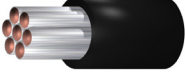
Up to
+150°C
High temp

Down to
-55°C
Low temp


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Insulated wires / ETFE

Internal wiring (see individual AWM style for limitations)

Style No.	Rating		Core					Finished cable	
	Temp.	Voltage	Conductor	Size		Insulation	Size		
				AWG			Min Avg. T		
	°C	V AC rms	Material	Min	Max	Material	mm		Intended use
UL 1862	125	150	CU HSA NPC SPC TPC	32	16	ETFE	0.26		Internal wiring, where not subjected to movement or mechanical abuse
UL 1558		300	HSA NPC SPC TPC	34	16	ETFE	0.10	In back panel areas of electrical equipment, where not subject to movement or mechanical damage	
UL 1863			CU Alloy CU NPC SPC TPC	32	10	ETFE	0.33	Internal wiring	
UL 1864			CU Alloy CU NPC SPC TPC	30 8 1	10 2 4/0	ETFE	0.51 0.76 1.14	Internal wiring	
UL 1670	150	VNS	-	32	14	ETFE	0.13	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1827		125	-	32 19 14	20 15 10	ETFE	0.14 0.20 0.33	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1814		150	CU Alloy CU NPC SPC TPC	36	20	ETFE	0.15	Internal wiring Tag may indicate "300V peak - For electronic use only"	
UL 1643		300	- or Litz wire	32 8 1	10 2 4/0	ETFE	0.33 0.51 0.76	Internal wiring Tag may indicate "600V peak - For electronic use only"	
UL 1828			CU TPC	32	10	ETFE	0.33	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1644		600	CU HSA Magnet NPC SPC TPC	30 8 1	10 2 4/0	ETFE	0.51 0.76 1.14	Internal wiring Tag may indicate "2500V peak - For electronic use only"	
UL 1829			CU TPC	32	10	ETFE	0.51	Internal wiring, where not subjected to movement or mechanical abuse	
UL 10126			-	36 12 8 3 1 1/0	14 10 4 1 4/0	ETFE	0.26 0.38 0.64 0.89 1.14	Internal wiring	

Characteristics and key properties

	RoHS	REACH	LVD
	2011/65/EU	EC No. 1907/2006	2014/35/EU
Certified to UL 758			

Up to
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High temp

Down to
-55°C
Low temp

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