




Insulated wires / PTFE

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 1212	80	VNS	-	36	16	PTFE	0.20	Internal wiring, where not subjected to mechanical abuse	
UL 1744		300	-	32	10	PTFE	0.33	Internal wiring Tag may indicate "Suitable for immersion in gasoline, gasoline vapour and 80°C in oil and/or 600V peak - for electronic use only"	
UL 1213	105	VNS	-	36	12	PTFE	0.20	Internal wiring, where not subjected to mechanical abuse Oil resistant to 60°C	
UL 1371			-	36 19 15 9	20 16 10 6	PTFE	0.14 0.20 0.33 0.51	Internal wiring, where not subjected to movement or mechanical abuse	
UL 1512			-	16	14	PTFE	0.26	Internal wiring	
UL 1538		125	-	36 19 14 9	20 16 10 6	PTFE	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 1716		150	- or 150°C Litz wire	50 19 14 9	20 15 10 6	PTFE	0.14 0.20 0.33 0.51	Internal wiring, where not subject to movement or mechanical damage. May also be used for further processing in cables and lead wire for UL 1950 applications. Tag may indicate "300V peak - For electronic use only". "Suitable for immersion in gasoline; gasoline vapour; and 60°C or 80°C in oil"	
UL 1164	150	300	CU Alloy NPC SPC	32	10	PTFE	0.33	Internal wiring Tag may indicate "Suitable for immersion in gasoline, gasoline vapour and 80°C in oil and/or 600V peak - for electronic use only"	
UL 1198		600	-	30 8 1	10 2 4/0	PTFE	0.51 0.76 1.14	Internal wiring Tag may indicate "2500V peak - For electronic use only"	
UL 1577	200	VNS	-	32	16	PTFE	0.31	Internal wiring	
UL 1723			-	32	16	PTFE	0.26	In back panel areas of electrical equipment, where not subject to movement or mechanical damage	
UL 1746		125	-	20	16	PTFE	0.20	Internal wiring, where not subjected to movement or mechanical abuse	
UL 10072		150	CU Alloy CU NPC SPC	32 9	10 6	PTFE	0.23 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" "Suitable for immersion in gasoline; gasoline vapour; and 60°C or 80°C in oil"	
UL 1180		300	-	32	10	PTFE	0.33	Internal wiring Tag may indicate "600V peak - For electronic use only"	
UL 1199		600	-	30 8 1	10 2 4/0	PTFE	0.51 0.76 1.14	Internal wiring Tag may indicate "2500V peak - For electronic use only"	
UL 10581			-	36 8 1	10 2 4/0	PTFE	0.25 0.38 0.51	Internal wiring	
UL 11854			-	36 8 1	10 2 4/0	PTFE	0.25 0.38 0.51	For further processing into cables	
UL 1584			1000	-	30 9 1	10 2 4/0	PTFE	0.56 0.76 1.14	Internal wiring
UL 1815		250	300	-	32	10	PTFE	0.33	Internal wiring
UL 1659	600		-	26 8 1	10 2 4/0	PTFE	0.51 0.76 1.14	Internal wiring	

Characteristics and key properties

		RoHS REACH LVD			Fluid resistant Fuel Oil Water		Flame resistant		Smoke free	MBR Fixed = 5x Ø Flexing = 10x Ø
Certified UL 758								Temp low -55°C	Temp +20,000 hrs +250°C	

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