




Insulated wires / ETFE

Internal wiring (see individual AWM style for limitations)

Style No.	Rating		Core					Finished cable	
	Temp.	Voltage	Conductor	Size		Insulation	Size		
				°C	V AC rms		Material	Min	Max
UL 1868	60	30	-	40	-	ETFE	0.51	 Internal wiring, in Class 2 circuits only	
UL 10231	90	30	-	50	22	ETFE	0.04		
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
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 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 +150°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.

Insulated wires / ETFE

Internal wiring (see individual AWM style for limitations)

Style No.	Rating		Core					Finished cable	
	Temp.	Voltage	Conductor	Size		Insulation	Size		
				°C	V AC rms		Material	Min	Max
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		600	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 1/0	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			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 +150°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.