

ABYC Acceptable Wire Constructions

AWG	INSULATION TYPE	NOMINAL WALL THICKNESS (MILS)	MAXIMUM OPERATING TEMP. DRY (°C)	MAXIMUM OPERATING TEMP. WET (°C)	BREAK DOWN VOLTAGE (V)	OIL RESISTANT TEMP. (°C)	COMMENTS
14-10	THW	45	75	75	600		Thermoplastic
8-2	THW	60					
1-4/0	THW	80					
14-10	TW	30	75	60	600		Thermoplastic
8	TW	45					
14-12	THWN	19	105	75	600	60	PVC/Nylon
10	THWN	20					
14-12	XHHW	30	90	75	600		X-linked
10							
8-2		45					
1-4/0		55					
18-10	MTW	45	90	60	600		Heavy Wall PVC
8	MTW	45					
6	MTW	60					
18-8	TW	30	90	60	600		Light Wall PVC
18-10	AWM Style #1230 PVC	30	105	60	600	60	
18-8	AWM Style #1231 PVC	45	105	60	600	60	
8-2	AWM Style #1232 PVC	60	105	60	600	60	
1-4/0	AWM Style #1232 PVC	80	105	60	600	60	
18-10	AWM Style #1275 PVC	60	105	60	600	60	
18-10	AWM Style #1345 PVC	30	105	75	600	60	
8-2	AWM Style #1346 PVC	60	105	75	600	60	
18-10	UL 1426 Boat Cable	30	105	75	600	60	
8	Boat Cable	45	105	75	600	60	
6-2	Boat Cable	60	105	75	600	60	
1-4/0	Boat Cable	80	105	75	600	60	