BatteryCablesUSA

So what's the difference between the types of battery cables?

Extreme Battery Cable	**Extreme battery cable is specially designed to meet the demands of various environments while staying extremely flexible. Full AWG sized copper conductor made from 99.9% pure annealed electrolytic copper (ETP, OFC), will you get maximum power. The insulation and jacket compounds are specially formulated to stay flexible even in cold weather and carry a -49C to 105C temperature rating. The jacket is resistant to chemicals, water, abrasions, oil, sunlight and has a color coded dual extrusion jacket with a white inner insulation which would show any damage to the outer cable more clearly. This cable is rated up to 600 Volts and is suitable for use in automotive applications, solar battery bank wiring, power inverter battery cables, marine battery cables and many other applications calling for a durable yet flexible battery cable.**
UL MTW/THW/SGT	**Multi-rated battery cable is specially designed to meet the demands of various environments while staying extremely flexible. Full AWG sized OFC copper conductor made from pure annealed electrolytic copper, will you get maximum power. The PVC jacket compound is specially formulated to resist chemicals, water, abrasions, oil, sunlight and is rated water resistant 75C Wet and 105C Dry (BC5-W2). This cable is rated up to 1000 Volts as AWM 10269 and 600V as the other wire types. Suitable for use in automotive applications, solar battery bank wiring, power inverter battery cables, marine battery cables, NEC Code wiring situations and many other applications calling for a durable yet flexible battery cable**
UL 1426 Tinned	**Multi-rated, multi-purpose, flexible, real copper battery cable features stranding which is tin plated to resist corrosion. Flexible Type III, Class K stranding is designed to absorb vibration found in motive environments such as automotive and marine thus protecting the cable from premature failure.. This UL listed battery cable carries ratings allowing it to be used as marine battery cable exceeding the requirements of ABYC and the USCG (US Coast Guard) listed as UL1426 Boat Cable which maintains a BC-5W2 temperature rating of 105C dry and 75C wet.**
Rubber Battery / Welding	**Features the benefits of durable welding cable along with meeting SAE J1127 SGR battery cable specifications. From the real, all copper fine stranding used for the conductor to the premium EPDM rubber insulation you'll find this cable will solve your problems. This battery cable is rated from -50C to +105C and can handle up to 600 Volts so it will deliver the power you need. The rubber insulation will stay flexible in the cold weather as well which makes them ideal for jumper cables!**

GAUGE	CABLE TYPE	OVERALL DIAMETER (INCH)	# STRANDING TYPE III - CLASS K - 30AWG	WEIGHT LBS/ft	CURRENT RATING @ 105C INS & 30C AMBIENT IN FREE AIR (AMPS)*	CURRENT RATING INSIDE OF ENGINE SPACE (AMPS)*	OPERATING TEMP RATING (°C)	VOLTAGE RATING	COPPER STRADING BARE OR TINNED	INDUSTRY APPROVALS					
										SAE J1127	SAE J378	UL 1426 (BC-5W2)	ABYC E-11	UL MTW	UL THW
8	Extreme Battery Cable														
	UL MTW/THW/SGT	0.270	182	0.054	80	68	-50°C to +105°C	600 V	BARE	X (SGT)		X	X	X	X
	UL 1426 Tinned	0.260	182	0.080	80	68	-25°C to +105°C	600 V	TINNED	-		X	X	X	X
	Rubber Battery/Welding														
6	Extreme Battery Cable	0.390	266	0.189	120	102	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT	0.305	266	0.111	120	102	-50°C to +105°C	600 V	BARE	X (SGT)		X	X	X	X
	UL 1426 Tinned	0.330	266	0.120	120	102	-25°C to +105°C	600 V	TINNED	-		X	X	X	X
	Rubber Battery/Welding	0.308	260	0.108	120	102	-50°C to +105°C	600 V	BARE	X (SGR)					
4	Extreme Battery Cable	0.440	420	0.214	160	136	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT	0.350	429	0.160	160	136	-50°C to +105°C	600 V	BARE	X (SGT)		X	X	X	X
	UL 1426 Tinned	0.380	420	0.170	160	136	-25°C to +105°C	600 V	TINNED	-		X	X	X	X
	Rubber Battery/Welding	0.343	364	0.147	160	136	-50°C to +105°C	600 V	BARE	X (SGR)					
2	Extreme Battery Cable	0.510	665	0.302	210	178	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT	0.419	676	0.241	210	178	-50°C to +105°C	600 V	BARE	X (SGT)		X	X	X	X
	UL 1426 Tinned	0.440	665	0.250	210	178	-25°C to +105°C	600 V	TINNED	-		X	X	X	X
	Rubber Battery/Welding	0.428	624	0.238	210	178	-50°C to +105°C	600 V	BARE	X (SGR)					
1	Extreme Battery Cable	0.540	836	0.360	245	208	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT														
	UL 1426 Tinned														
	Rubber Battery/Welding														
1/0	Extreme Battery Cable	0.610	1064	0.462	285	242	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT	0.530	1066	0.391	285	242	-50°C to +105°C	600 V	BARE	X (SGT)		X	X	X	X
	UL 1426 Tinned	0.560	1064	0.400	285	242	-25°C to +105°C	600 V	TINNED	-		X	X	X	X
	Rubber Battery/Welding	0.533	975	0.369	285	242	-50°C to +105°C	600 V	BARE	X (SGR)					
2/0	Extreme Battery Cable	0.660	1330	0.530	330	280	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		-
	UL MTW/THW/SGT	0.579	1339	0.478	330	280	-50°C to +105°C	600 V	BARE	X (SGT)		X	X		X
	UL 1426 Tinned	0.620	1330	0.500	330	280	-25°C to +105°C	600 V	TINNED	-		X	X		X
	Rubber Battery/Welding	0.568	1196	0.443	330	280	-50°C to +105°C	600 V	BARE	X (SGR)					
4/0	Extreme Battery Cable	0.850	2109	0.853	445	315	-49°C to +105°C	600 V	BARE	X (SGT)	X		X		
	UL MTW/THW/SGT	0.695	2109	0.735	445	315	-50°C to +105°C	600 V	BARE	X (SGT)		X	X		X
	UL 1426 Tinned	0.740	2109	0.750	445	315	-25°C to +105°C	600 V	TINNED	-		X	X		X
	Rubber Battery/Welding	0.688	1950	0.696	445	315	-50°C to +105°C	600 V	BARE	X (SGR)					

*Current Ratings based on ABYC E-11 Table VI. Single Conductor in Air, Cond. Temp 105°C, Ambient Temp 30°C, Outside Engine Spaces