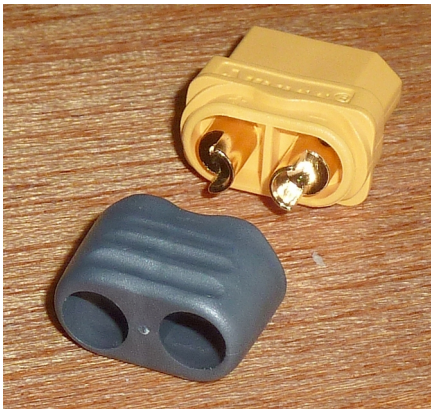
Radio control electric power connectors

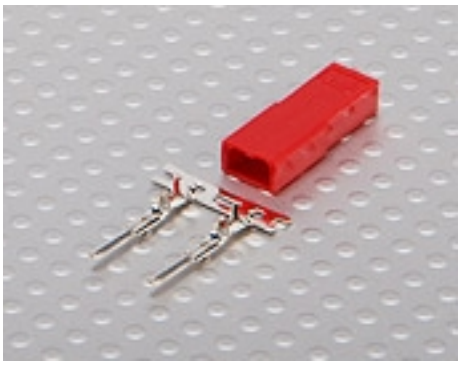
HXT2 HXT3.5 HXT4 HXT6 HXT8

XT30 XT60 XT90 XT150



I now use this variant of the XT60. It has a clip-on shroud. Combined with heatshrink over the joint it makes fatigue failure much less likely. However they are longer.

EC2 EC3 EC5



JST/Molex

Bullet 2 3.5 4 5 6 6.5 8

JST-XH (3 4 5 6 7 pin)

Deans/ T-style (HCT)

MT60

Current ratings

Please note these are a guide only. How much current the connection will carry depends on the cable size and, to a lesser extent, how much ventilation there is.

	Current (A)	
HXT2	30	
HXT3.5	75	
HXT4	90	
HXT6	150	
HXT8	250	
XT30	30	
XT60	60	
XT90	90	
XT150	150	
EC2	20	
EC3	50	
EC5	80	
JST	5	for indoor and light outdoor models
Bullet 2	30	
Bullet 3.5	50	
Bullet 4	60	
Bullet 5	80	
Bullet 6	150	
Bullet 6.5	200	
Bullet 8	250	
JST-XH	Low current for balancing, telemetry and indoor flying	
Deans micro	10	
Deans ultra	60	
MT60	50	handy for ESC to motor leads

My preferences

I wish I could like Deans. They are small, but tricky to solder and more difficult to make fatigue-proof even with heat shrink. I like EC connectors. You solder the connectors to the wire then push them into the housing when still warm. They lock into place. However I mostly use XT60 or XT90 as they are the usual lipo battery fitting. In the shrouded version they are very resistant to fatigue, especially when sleeved with heat shrink.

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peter@peterscott.website