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AK3, AK4, AK5 ACCESSORY KIT INSTRUCTIONS

KIT CONTENTS

The AK3, AK4, and AK5 accessory kits contain cables terminated with 6 mm safety sockets, and matching 6 mm safety plug to M4 stud adapters.

The AK3 kit contains two cables (one red, one black) and two adapters (one red, one black).

The AK5 kit contains two cables (one yellow, one green) and two adapters (one yellow, one green).

The AK4 kit contains four cables (one each of red, black, yellow, and green) and four adapters (one each of red, black, yellow, and green). The AK4 kit is shown below:



The cable colors (red, black, yellow, or green) refer to the identifying bands on the end of the cables. The bulk of the cable is red for the “red” cable, black for the “green” and “black” cables. The bulk of the “yellow” cable shown above is black, but it may be green/yellow stripe combination instead, due to the manufacturer's (Multi-Contact) variations.

SPECIFICATIONS

Type	Series	Color	Multi-Contact Part Number	Rated Current (DC)	Rated Current (1 sec pulse)
1 meter Cable with 6 mm safety sockets	Multi-Contact SLK616-AR/BGG	Red	15.2502-100-22	100 A	1200 A
		Black	15.2502-100-21		
		Yellow	15.2502-100-24*		
		Green	15.2502-100-25*		
6 mm safety plug to M4 stud adapter	Multi-Contact ID/S6AR-N-B4S	Red	14.0034-22	100 A	1200 A
		Black	14.0034-21		
		Yellow	14.0034-24		
		Green	14.0034-25		

* May be a "special order" part for Multi-Contact.

GENERAL INFORMATION

The red and black cables are typically used to connect an Avtech pulse generator to a DC power supply (red = +, black = -). If your DC power supply does not provide its outputs on 6 mm safety plugs, then it may be necessary to use the red and black 6 mm safety plug to M4 stud adapters to build an appropriate connection to your power supply.

The yellow and green cables are typically plugged directly into the matching 6 mm plug connectors on the rear panel of an Avtech high-current pulse generator. The yellow and green 6 mm safety plug to M4 stud adapters are provided so that an appropriate connection may be made to your load.

Beware that these 1 meter cables have an inductance of approximately 0.6 μ H, and they may not be appropriate for high-speed use. The inductance will introduce an inductive time constant of $\tau = L / R$, where $L = 0.6 \mu$ H, and $R =$ your load resistance. It may be necessary to trim the cables for faster speeds.

The cables "lock" into the mating adapters. **To release the lock, push the cable inwards FIRST, and THEN pull it out of the adapter.** The cable will not be released if you simply pull on it.

REPLACEMENT PARTS AND OTHER ACCESSORIES

The parts in this accessory kit, and other mating accessories, are available individually from the manufacturer, Multi-Contact (see <http://www.multi-contact-usa.com> or <http://www.multi-contact.com>).