

The following table (from the Automobile Engineers Reference Book, 3rd edition, George Newnes Ltd. London) offers a guide to the sizes of cables required to give efficient operation on normal vehicles, but it should be borne in mind that if the run of cable is exceptionally long, then a larger size of cable should be used. The sizes are given in inches as usual in English-speaking countries.

*Cross-sectional Areas for Cables*

Circuit	Location of Cable	Minimum Size of Cable
Main feeds	Battery to Ammeter	44/.012 in.
	Ammeter to cut-out or control box	
	Ammeter to lighting switch	28/.012 in.
	Control box to lighting switch	
Dynamo circuit	Dynamo "D" terminal to control box or cut-out	28/.012 in.
	Dynamo or control-box "D" to warning light	14/.012 in.
	Dynamo "F" terminal to control switch or control box	
	Cut-out "F" terminal to switch "F" terminal	
Ignition circuits	Coil to ignition switch	14/.012 in.
	Coil to contact-breaker	7 or 9 mm, rubber covered
	H.T.leads distribution to plug	
Lighting circuits	Lighting switch to head-lamps	28/.012 in.
	Lighting switch to side and tail lamps	14/.012 in.
	Fog and pass lamps, 12-volt	28/.012 in.
	Fog lamps, 6-volt, with 60-watt bulbs	44/.012 in.
Starter circuits	Battery to starter, 12-volt	37/20
	Battery to starter, 6-volt	61/20
	Earth leads	Plaited, flat flexible or 16 × 16 × .012 circular braid
	Bonding leads	
	Starter solenoid switch to operating push	14/.012 in.