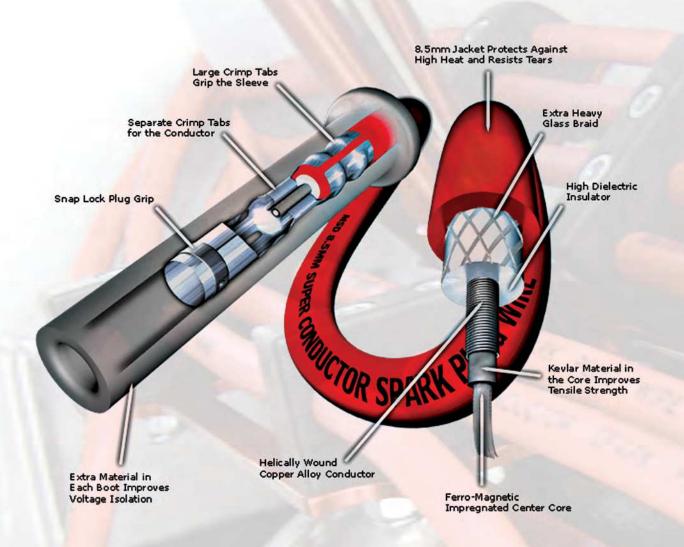


# 8.5 SUPER CONDUCTOR SPARK PLUG WIRES

- Extremely low resistance for improved spark delivery.
- . High suppression capability to block out EMI.
- The strongest terminal crimps and connections.
- Durable, high temp outer sleeve and boots.



www.MSDIGNITION.com



The 8.5mm Super Conductor wire is the best wire you can run on your engine whether it's a cruiser, sport compact or all-out race car. With less than 50 ohms per foot resistance, you can ensure that the most spark energy possible reaches the spark plug gap. More spark energy means improved combustion resulting in increased performance!

Even with its low resistance, the Super Conductor Wire suppresses Electro Magnetic Interference (EMI) like a high resistance factory wire. By tightly winding the copper conductor around a specially designed center core, a highly effective EMI choke is created.

If that weren't enough, the 8.5mm outer sleeve is a combination of silicone and synthetic materials to give the wire supreme resistance against heat, chemicals and abrasion. MSD's boots are thicker to provide a great seal around the plug while offering excellent heat protection. Also, special dual crimp terminals are used that grasp both the sleeve and the conductor producing the strongest crimp available!

The MSD 8.5mm Super Conductor is used on 330+ mph Top Fuel Dragsters, Sprint Cars, and everything in between.

## **Custom Sets**

MSD's custom wire sets are made to pull out of the box and install on your engine. Many late model wire sets feature factory style boots and terminals for a perfect fit. More wire sets are constantly added so if you don't see your application contact our customer service department.

	Year	Description Part # BLACK	PART RED			
CHEVROLET						
	1998-2000	V6 Vortech, 4.3L32833	32839			
	1971-1974	307, 327, 350, Cars/Trucks31653	31659			
		(with wires over valve covers)				
	1975-1982	All 350 Corvettes31763	31769			
		(long wires below exhaust manifold)				
	1974-1976	All 454 Chevy, GMC, Cars/Trucks31363	31369			
	1975-1987	All 366, 426, 454, Cars/Trucks31773	31779			
	1969-1974	All 366, 396, 427, 454, Cars/Trucks31373	31379			
	1984-1991	Chevy Corvette 350 TPI	31459			
	1985-1995	Truck 305, 35031413	31419			
	1988-1994	Chevy Truck 366, 454 (7.4L)31803	31809			
		(internal or external coil)				
	1988-1993	Chevy Caprice, Camero, Monte Carlo31833	31839			
	1994-1996	Caprice, Impala SS, LT-1 and V832153	32159			
	1993-1997	Camaro, LT-132143	32149			
	1996-1998	GM Pickup, Vortech 350 V832163	32169			
	1992-1997	Corvette, LT-132173	32179			
	1997-on	LS-1 Vette, Camaro32813	32819			
	1999-on	LS-1 Truck32823	32829			
	CHRYSL	ER				
	1993-1999	Jeep Cherokee 4.0L32233	32239			
	1997-2000	Dodge Dakota, 5.9L	32979			
	1973-on	318, 340, 360, Cars and Trucks Stock Distributors 31303	31309			
	1994-2000	Dodge Ram, 318, 36032183	32189			
	<b>FORD</b>					
	1977-1993	302 (5.0L) Car/Trucks,				
		Mustang, Thunderbird, LTD, Granada31323	31329			
	1994-1995	(5.0L) Mustang32203	32209			
	1970-1976	302cid Cars, Light Trucks31393	31399			
	1965-1976	351C, 351W, 352, 390, 400, 429, 460 Car31383	31389			
	1996-1998	4.6L Cobra DOHC32213	32219			
	1996-1997	Ford 4.6L Mustang/Lincoln32223	32229			
ACURA/HONDA						
		Acura/Integra, 1.8L Vtec32343				
		Honda Civic, L.6L32353				
		Honda Civic, 1.5L/1.6L	32319			
		Honda Accord, 2.2L	32369			
	1993-1997	Honda Prelude Vtec, 2.2L	32389			
	1994-1997	Honda Accord, 2.2L Vtec	32379			



## **Universal Wire Sets**

The Universal Super Conductor Wire Sets only have the spark plug boot and terminal factory installed. The distributor end boots and terminals are supplied, but not crimped on so you can route the wire to fit your application. The wires are extra long so they fit any application. Included in each set is an MSD Mini-Stripper Crimper for easy installation.

Cylinders	Spark Plug Boot	Distributor/Coil Pack Side	Part # Black	Part # Red
4	M/A	. 90°, Socket		31159
8	M/A	. 90°	31183	31189
8	M/A	. 90°, Socket .	31193	31199
8	90°	. 90°	31223	31229
8	90°	. 90°, Socket .	31233	31239



Socket



# **Bulk Wire**

	i ditii	i ait ii
Length	Black	Red
6'	34033	34039
25'	34013	34019
100'	34043	34049
300'	34053	34059



# **Pro-Clamp Separators**PN 8843

The best wire separators available! The wires are clamped into place and no tools are required to open the clamps. Supplied with; 2-four wires, 4-three wires, 4-two wires.



## **Dual Plug Separators**

Molded of strong, heat resistant material, these handy separators will hold two wires secure.

Sold in a pack of 16.

8mm and 8.5mm, PN 8841 Wires w/sleeve, PN 8842



#### Pro-Boot Guard PN 3412

Thick woven glass and silicone will protect the boots. Roll of six feet.



#### Shrink Sleeve PN 3407

This sleeve will seal the Pro-Heat Sleeve to the plug wire or boot. It will not split and is designed to withstand high underhood temperatures.



#### Pro-Heat Guard PN 3411

Slide this sleeve over the wire to guard against heat and abrasion. Roll of 25 feet.



## **Pro-Crimp Tool**

#### PN 35051

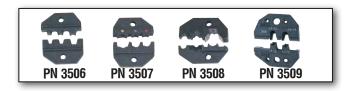
A hardened steel frame sports comfortable molded hand grips while a slick ratchet action provides secure factory style crimps consistently. The Tool is supplied with crimp/strip jaws for MSD's 8.5mm Dual Crimp Terminals only. It also accepts interchangeable jaws allowing for a variety of different style crimps.



#### **Replacement Dies**

Pro-Crimp Jaws for use with the Pro-Crimp Tool only.

Amp Pin Terminal, PN 3506 Amp Lug Terminal, PN 3507 Plug Wire Terminal, PN 3508 Weathertight Connector Terminal, PN 3509 Deutsch Connector Terminal, PN 3510



# **Cylinder Number Indicators**

Marking the cylinder number of each plug wire can save you time and ensure that the wire is installed in the right place.



Cylinder Markers, PN 3414 Shrink Sleeve Cylinder Numbers, PN 3415

#### Spark Guard PN 8804

The dielectric grease eases crimping and boot installation, prevents moisture buildup inside the boots and helps stop voltage leaks. Spark Guard will not dry up or harden.





FRM 29739 1490 Henry Brennan, EL Paso, Tx 79936 www.MSDIGNITION.com



# 8.5mm Super Conductor Wire: Installing Terminals

Due to the increased size of the 8.5mm spiral wound conductor, it is important to use care not to cut into the conductor. Cutting into the conductor will affect the voltage carrying capabilities of the wire and extra caution should be taken if you are not using the MSD Mini-Stripper Crimper.

As you cut the outer sleeve of the wire it is not necessary to cut completely through the insulator to the conductor. Instead, only cut about half way into the insulator then twist and pull the end off.

After crimping the terminal on, it is a good idea to check the resistance of the wire. Use an ohm meter and measure the resistance of the completed wire. It should be between 40-50 ohms per foot. Example: A 36" wire should have the resistance of 120-150 ohms.

**Note:** MSD only recommends stripping the 8.5mm wire with the Mini-Stripper-Crimper.

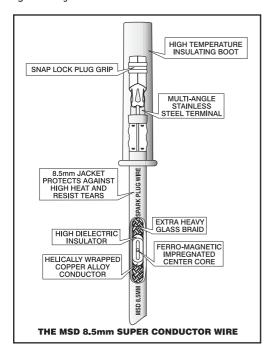
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# Spark Plug Wires and Spark Plugs

#### **Spark Plug Wires**

Spark plug wires have two main objectives; transfer the spark energy to the plugs and suppress the Electro Magnetic Interference (EMI) that the spark voltage projects. Too high of resistance decreases the spark energy, yet too low of resistance may generate too much EMI noise which will interfere with the operation of other electronics on the vehicle. A good quality wire, proper routing and routine inspection are all important in getting the most performance out of your ignition system.



MSD offers two great spark plug wires; Heli-Core Wire and the 8.5mm Super Conductor Wire. The Heli-Core Wires are a performance wire upgrade for any car or truck. For serious performance, the 8.5mm Super Conductor Wire is the wire of choice. Both sets of wires feature a conductor that is helically wound around a special center core that is designed to suppress, or choke, EMI. Helically wound, sometimes called spiral core, must be used with an MSD Ignition Control. Solid core wires do not suppress EMI so there could be interference with the ignition or other electronics on the vehicle.

The Super Conductor Wire has less than 50 ohms per foot, the lowest available in a helically wound wire. A special copper-alloy conductor is wrapped very tightly around a ferro-magnetic impregnated center core which gives the wire extremely high EMI suppression. This design ensures that optimum spark energy will reach the spark plugs while EMI noise is held at a minimum.

**NOTE:** Solid Core spark plug wires cannot be used with any MSD Ignition controls or Pro Mags.

Just like tires, oil or spark plugs, the spark plug wires are a maintenance item. Service of the wires hinges on your application and ignition control. If you have a 6AL Ignition and use the car as a daily driver, the wires will last for thousands of miles. Conversely, if you are racing a high compression engine with nitrous and an MSD 10, the wires should be inspected and even replaced during the race season. When checking wires, closely inspect for signs of burning or arc-through. Look at the boots for signs of cracking or burning and using an ohm meter to check resistance of each wire is a good idea. Also, keep in mind that the coil wire is delivering eight times the spark so it should be checked closely. When checking resistance of the wires note that the longer wires will have more total resistance, but their values should average out. If one wire stands out among the others, it should be replaced.

