Magnecor 7mm ELECTROSPORTS 70 SS Ignition Cable Specifications

OVERALL LEAD ASSEMBLY

Outside Diameter of Cable.....	7mm.
Colour.....	Black.
Boot/Terminal Configuration.....	Various - to suit different domestic and foreign applications as well as customer special requirements.
Country of Manufacture.....	Cable: USA. Assemblies: USA, UK and Australia.

CABLE

Construction Type.....	Silicone rubber insulator, re-inforcing braiding, high-tear strength silicone rubber outer jacket.
Insulator Material.....	High dielectric silicone rubber.
Outer Jacket Material.....	Extreme high tear strength, high temperature resistant silicone rubber.
Heat Resistance.....	205° C (400° F) service temperature.
Dielectric Strength.....	45,000 volts.

CONDUCTOR

Conductor Size.....	1.90 mm in diameter.
Conductor Type.....	Magnecor Metallic Inductance RFI and EMI Suppressed. No conductive coatings applied.
Core.....	Ferromagnetic base over Kevlar and fiberglass substrate.
Windings.....	77 turns per cm (200 turns per inch).
Windings Material.....	Stainless steel.
Resistance.....	98.4 ohm per cm, 3K ohm per ft. ± 10%.
Capacity.....	45,000 volts, 2kVA.

TERMINALS

Spark Plug.....	Stainless steel snap-lock 180° bendable and fixed 90° styles.
Distributor and Coil.....	Brass, stainless steel snap-lock 180° and 90° styles.

PROTECTIVE BOOTS

Spark Plug.....	Silicone 205° C (400° F) - selection of straight, 45° and 90° styles used where applicable - special connector assemblies for some applications.
Distributor and Coil.....	EPDM or Silicone - some sets will be fitted with OE style connectors.

AVAILABILITY

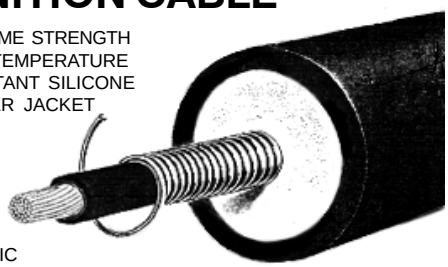
NO MINIMUM ORDER REQUIRED

Available in sets to fit domestic and import car, truck, motorcycle and marine engines. Also, universal sets, individual leads, and tailored sets. Loose cable, boots and terminals can be purchased separately.

MAGNECOR®

ELECTROSPORTS 70 SS IGNITION CABLE

EXTREME STRENGTH HIGH TEMPERATURE RESISTANT SILICONE RUBBER JACKET



METALLIC INDUCTANCE SUPPRESSED CONDUCTOR ACHIEVES SUPERIOR EMI SUPPRESSION

HIGH DIELECTRIC STRENGTH INTERNAL SILICONE INSULATOR, TOPPED WITH BONDED FIBERGLASS BRAIDING FOR SUPERIOR TERMINAL RETENTION

OEM SIZE CABLE

Magnecor's (Original Equipment size) 7mm Wire Sets now use

ELECTROSPORTS 70 SS IGNITION CABLE

Vastly superior replacement for OE and aftermarket ignition leads (wires in USA) using carbon conductors or resistor/ connectors at lead ends, all of which reduce spark energy when deterioration develops with usage.

ELECTROSPORTS 70 SS IGNITION CABLE, with its high-tech wire-wound conductor, will properly suppress both RFI and EMI on all engines without reducing spark current or deteriorating with use. The high tear strength silicone rubber insulating jacket provides better insulation than most 8mm aftermarket ignition leads, and the fiberglass braiding over the silicone rubber insulator provides better terminal retention than ever before.

Any lead set using **ELECTROSPORTS 70 SS IGNITION CABLE** can be used on both older and newer carburetted engines as well as the most modern fuel injected engines using any electronic engine management system. Suppression is also provided for 2-way radio and computer equipment.

www.magnecor.com

TECHNICAL INFORMATION

MAGNECOR®
ELECTROSPORTS 70 IGNITION CABLE

For over 20 years Magnecor manufactured ignition wires using its 7mm **HIGH PERFORMANCE IGNITION CABLE**. Wire sets using this cable were very popular as a superior replacement for 7mm size original equipment and aftermarket ignition leads using limited-life carbon conductors and resistor/connectors at lead ends. Over the years, the wire-wound conductor has been updated to provide better RFI suppression, and later versions achieve EMI suppression.

A small 7mm insulating jacket makes providing a wire-wound conductor to properly suppress EMI (needed by late model engines) both difficult and expensive. To suppress EMI, most manufacturers use leads with carbon conductors and resistor/connectors at wire ends. Although these wires deteriorate with use and spark current is reduced, manufacturers are not concerned, because they all treat ignition wires as service items to be replaced regularly. Others in the aftermarket use cheap wire-wound conductors that cannot properly suppress EMI (no mention is ever made of this fact).

In the past, it has been a policy at Magnecor to recommend our 8.5mm **KV85 COMPETITION CABLE** sets (designed primarily for race engines) if we thought a possible EMI problem could arise on later model engines fitted with 7mm wires as original equipment. Of course, not all vehicle owners necessarily want to purchase more expensive larger diameter ignition leads designed for a race engine. All they want is good ignition wires with a conductor providing proper suppression that won't deteriorate with usage – more so, with so many late model "multi-valve" engines using ignition wires (fitted with overly-complicated extended spark plug connectors) that have become very expensive and time consuming to replace.

The good news is, with the introduction of Magnecor's **ELECTROSPORTS 70 IGNITION CABLE**, we can now offer a 7mm ignition cable with a wire-wound conductor to properly suppress both RFI and EMI.

Wire sets using **ELECTROSPORTS 70 IGNITION CABLE** can be used on both older and newer carburetted engines and the most modern fuel injected engines using any electronic engine management system. Excellent suppression is also provided for 2-way radio equipment. In addition, a new insulating jacket provides better insulation than most 8mm original equipment and aftermarket leads, and new construction provides better terminal retention than ever before.

Remaining Limitation

When used with either the original ignition system or a better ignition system designed for street use, wire sets using our **ELECTROSPORTS 70 IGNITION CABLE** will prove to be vastly superior to all limited-life 7mm original equipment and aftermarket carbon conductor wires, resistor/connector wires and other brand wire-wound conductor wires. However, **no** 7mm or 8mm cable size wires can fully insulate the maximum output from a racing ignition system. If you intend to ever modify your vehicle for competition we recommend our wire sets using either our:

KV85 COMPETITION CABLE (8.5mm)
or
R-100 RACING CABLE (10mm)

For more information about Magnecor products, visit or web site: www.magnecor.com