

Magnecor 8mm ELECTROSPORTS 80 Ignition Lead Specifications

OVERALL LEAD ASSEMBLY

Outside Diameter of Cable.....	8mm.
Colour.....	Blue.
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 silicone rubber.
Heat Resistance.....	260° C (500° F) service temperature.
Dielectric Strength.....	55,000 volts.

CONDUCTOR

Conductor Size.....	2.00 mm in diameter (+/- .05)
Conductor Type.....	Magnecor Metallic Inductance SS25 RFI and EMI Suppressed.
Core.....	Ferrimagnetic base over Kevlar and fiberglass substrate.
Windings.....	77 turns per cm (200 turns per inch).
Windings Material.....	Stainless steel.
Resistance.....	98 ohm per cm, 3K ohm per ft. +/- 10%.
Capacity.....	55,000 volts, 2kVA.

TERMINALS

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

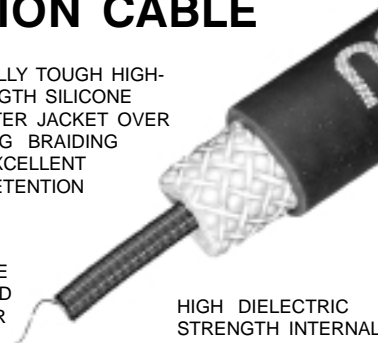
AVAILABILITY

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.
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MAGNECOR[®]

ELECTROSPORTS 80 IGNITION CABLE

EXCEPTIONALLY TOUGH HIGH-TEAR STRENGTH SILICONE RUBBER OUTER JACKET OVER RE-INFORCING BRAIDING PROVIDES EXCELLENT TERMINAL RETENTION



METALLIC INDUCTANCE SUPPRESSED CONDUCTOR ACHIEVES SUPERIOR EMI AND RFI SUPPRESSION

HIGH DIELECTRIC STRENGTH INTERNAL SILICONE RUBBER INSULATOR

Magnecor's 8mm leads can be fitted into original 7mm wire holders

ELECTROSPORTS 80 IGNITION LEADS

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

ELECTROSPORTS 80 IGNITION CABLE, with its updated high-tech wire-wound conductor, will properly suppress both RFI and EMI on all vehicles without reducing spark current or deteriorating with use. The new extremely flexible high-tear strength silicone insulating jacket allows leads to be fitted into original 7mm holders without damage, and provides better terminal retention than ever before.

Leads using **ELECTROSPORTS 80 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. Excellent suppression is also provided for 2-way radio and computer equipment. Ideal for engines using LPG or CNG and industrial applications where heat resistance and adequate suppression is important.

www.magnecor.com

TECHNICAL INFORMATION

MAGNECOR[®] ELECTROSPORTS 80 IGNITION CABLE

For over 20 years Magnecor manufactured ignition leads using its 8mm **HIGH PERFORMANCE IGNITION CABLE**. Lead sets (wire sets in USA) using this cable were very popular as a superior replacement for 8mm 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 was updated to provide better RFI suppression, and later versions achieved moderate EMI suppression.

To suppress EMI, most manufacturers use leads with carbon conductors and resistor/connectors at lead ends. Although these leads deteriorate with use and spark current is reduced, manufacturers are never concerned, because all treat ignition leads 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) which causes interference problems with later model vehicles using electronic engine management systems.

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 or 8mm leads 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 leads with a conductor providing proper suppression that won't deteriorate with usage – more so, with so many late model “multi-valve” engines using ignition leads (fitted with complicated extended spark plug connectors) that have become very expensive and time consuming to replace.

The good news is, with the recent introduction of our **ELECTROSPORTS 80 IGNITION CABLE**, we can now offer a 8mm ignition cable with a wire-wound conductor to properly suppress both RFI and EMI.

Lead sets using **ELECTROSPORTS 80 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.

FOR THOSE WANTING TO FIT A LARGER SIZE CABLE INTO ORIGINAL 7mm LEAD HOLDERS:

The new extremely flexible high-tear strength all silicone construction of the cable allows leads to be fitted into original 7mm holders without damage to either the cable or the holders.

IF YOU PREFER TO MAKE YOUR OWN LEADS:

The construction of **ELECTROSPORTS 80 IGNITION CABLE** allows us to satisfy the ever-increasing demand for cable sold separately. This cable's jacket is easy to strip (to expose the conductor) even without a stripping tool, yet the extremely tough jacket makes hand-terminating practical, as the strength and flexibility of the cable provides better terminal retention than ever before. The conductor is finished with a conductive bind coating to prevent the windings from unravelling during hand-termination. Of course, Magnecor can also supply all terminals, boots, and extended connectors to use with the cable. No minimum order is required.

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