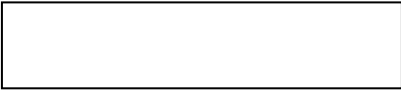




43 Franklin Street  
 East Hartford, CT 06108  
 860-289-8033 phone  
 860-289-8035 fax  
 www.signalservice.net



## A Safer & More Economical Lighting System

The Safest and easiest-to-maintain wiring system for roadway poles, the DOT-PLUG™ Break-Away Cable System is the preferred system for safety, durability and less "down-time"; plus DOT-PLUG™ is AASHTO compliant.

*The Field Proven Wiring System within the Many Department's of Transportation Since 1992*

### The Hazards of Conventional Wiring

Decades ago safety and roadway engineers realized that lighting poles needed to be redesigned to "break-away" from their foundation to prevent deadly accidents caused when a motorist runs off the road and strikes a light pole. The "break-away" design is now standard for lighting poles inside the "clear zone" and has saved many lives, but one detail that was overlooked was the electrical wiring or "conventional wiring" inside the "break-away" poles.

Conventional wiring poses a high threat and has caused many injuries and fatalities nationwide due to improper pole trajectory, and the electrical and fire hazard caused from exposed wires and sheered off fuses.

### Safer and more Economical DOT•PLUG

[MG]², Inc. debuted the first "break-away" wiring system in 1992. This revolutionized the industry to a new way of thinking by creating a crush proof, flame retardant; IP-68 rated submergible system that placed the fuses below grade, with a simple cord system that "unplugs" during a knock down.

Designed after the cord systems used on our military submarines and aircraft carriers, the DOT•PLUG system also allows for ease of maintenance of fuses and surge arrestors, along with submergible and re-enterable splices allows most pole knockdowns a reusable system.

THE DOT•PLUG SYSTEM™ is suitable for many different voltage systems. It is normally shipped with 2 of the 3 conductors fused and the un-used conductor being generally used as the Grounding conductor.

Should a Voltage System be determined by the contractor not to require but one fused conductor, the installed fuse in one of the fused conductors may be replaced by a slug.

#### Features & Benefits

- Eliminates specifying, design engineer(s), and contractors liability due to injury or death attributed to preventable fire or electrocution
- Eliminates possibility of fire after accident due to sparking wires
- Eliminates possibility of electrocution to accident victims, rescue personnel and pedestrians
- Eliminates damaged splices in adjoining poles
- Eliminates fuse holder & surge arrester replacement after knockdown
- Eliminates delayed rescue efforts attributed to exposed wire
- Eliminates repeated splicing and wire damage after knockdown
- Allows remaining poles on circuit to continue illumination
- Meets the new break-away wiring requirements of AASHTO
- System maintenance quick and simple
- DOT-PLUG™ allows proper pole trajectory during knockdown
- IP68 rated for submergibility of 6 feet of water