

**Subject: Selection Guide – Use Lifeline® CIC or Lifeline® CI Two Hour Rated Cables to Protect Your Fire Alarm Systems**

Lifeline® fire alarm cables are fully qualified as fire rated components of your fire alarm system. They will operate for two hours under direct exposure to an intense fully developed building fire followed by application of a water spray simulating a hose stream for conduit installed cables or a fogger simulating sprinklers for non conduit cable.

### Selection Guide

	Lifeline® CIC	Lifeline® CI
Installation Method	≥ ½ “ EMT Steel Conduit	NEC Article 760.52 (B)
2 Hour Fire Rating	UL FHIT System # 24	NEC Type – “CI”
UL Listings	Type FPL & Type NPLF	Type FPLR-CI
Voltage Rating	300 Volts/150 Volts*	300 Volts
Utilization Voltage	300 Volts**	80 Volts**
Installation Usage	Ducts or Plenums, Risers or General Purpose (in conduit)	Risers or General Purpose (without need for conduit)
Constructions	18 AWG to 12 AWG 2 to 18 Conductors Shielded & Non-Shielded	18 AWG to 12 AWG 2 to 18 Conductors Shielded & Non-Shielded
Circuit Identification	Colored Insulation + Numbers	Colored Insulation + Numbers
Options	1, Fire Zone Splicing Qualified 2, Up to Six feet of Flex Conduit	Fire Zone Splicing Qualified
Low Capacitance***	Non-Shielded = 15 – 21 pf/ft Shielded = 26 – 42 pf/ft	Non-Shielded = 15 – 21 pf/ft Shielded = 26 – 42 pf/ft

**Notes**

\*150 Volts applies only to the Type NPLF cable listing per NEC Article 760.30.

\*\*Utilization voltage is the 2 hour qualified phase voltage rating (CIC = 300 V, CI = 80 V)

\*\*\*Conductor to conductor depending on AWG size.

**Call your Lifeline® friend at:**  
**800-333-4248 x2600**  
 or visit [www.drakausa.com/lifeline](http://www.drakausa.com/lifeline)