



Amphe-Lite Quadrax

BACKGROUND

Applications within the Heavy Equipment, Rail, & EV markets are frequently exposed to vibration, dust and oil in ruggedized environments. As these markets and applications evolve, as does IoT technology used to improve work efficiency by utilizing high speed data transfer solutions. Amphenol Industrial has developed the Amphe-Lite Quadrax, for use on applications within the Heavy Equipment, Rail, EV, Commercial Vehicle and Factory Automation sectors, in order to improve data rates and efficiency for our consumers.

PROBLEM

Have you been met with crossed or distorted signals, and/or Electro-Magnetic Interference while using a traditional interconnect solution? These aforementioned signal integrity issues degrade and impede the performance of system signal transfer. A traditional high speed interconnect solution designed for the commercial environment can alleviate signal integrity issues that are being experienced, but will not provide corrosion and vibration requirements.

AIO SOLUTION

A connector integrated with environmental resistance and high speed signal transmission will satisfy your need. Enter the Amphe-Lite Quadrax. Some of the product highlights are:

- Environmental proof up to 500 H salt spray
- Anti-vibration and shock up to 50G
- High bandwidth for high speed protocol up to 10G bps
- Complete EMI shielding continuity, cable to connector
- Scoop proof and robust design
- High density (up to 99 contacts)
- Hybrid signal and power
- Drop in design for #8 cavity
- Crimp and PC tail versions available

