INNOVATIVE INTERCONNECT
FOR LAND BASED DEFENSE APPLICATIONS

> Weapon sight
> Headset
> Digital screen
> Multimedia equipment
> GPS
> Audio & radio communication
> Links to weapon

www.axon-cable.com
FLEXIBLE WIRES
AXON’ offers a range of highly flexible multi-conductor wires and cables for applications where the available space is very limited: flexibility and flex life are critical.

ALUMINIUM WIRES
30 to 40% weight saving compared to equivalent copper wires, aluminium wires have a high EMI protection and a good X-ray response.

HIGH VOLTAGE WIRES & ASSEMBLIES
A full range of high voltage miniature cables up to 20 kVDC and cable assemblies up to 12 kVDC. Manufactured in France, they are designed for Onboard Electronics (helmet-mounted sight and display systems) used by pilots.

Our Expertise

ELECTROMAGNETIC PROTECTION
AXON’ Research & Innovation Teams have developed simulation software to predict the shielding efficiency (transfer impedance) of a connector, a cable or a complete cable assembly.

MOULDING/OVERMOULDING
AXON’ high and low pressure moulding and overmoulding techniques deliver significant improvements in flex life, ergonomics, watertightness and robustness of the assembly. Custom designed sleeves are also available.

Interconnect solutions

ASSEMBLIES WITH BREAKAWAY CIRCULAR MICRO-D
These Micro-D assemblies are produced using 5, 7, 12, 19 or 37 way aluminium connectors. The strain relief makes mating/de-mating easier.

MICRO-D CONNECTORS AND HARNESSES
Complete range of rectangular and circular Micro-D connectors. Combo Micro-D connectors are designed to route power and RF signals. Custom designed Micro-D connectors are also available.

HIGH DATA RATE CABLES & ASSEMBLIES
Assemblies working up to 10 gigabits per second. Insulated with CELLOFLON® (expanded PTFE), high data rate assemblies are composed of 100 Ω and 150 Ω twisted pairs, multipairs or quads.

HIGH SPEED AND ULTRA HIGH SPEED FLAT DISPLAY CONNECTIONS (FDC)
100 Ω 21, 31, 41 & 51 way shielded flat flexible assemblies terminated with plugs compatible with FI-R connectors.

MICROWAVE COAXIAL CABLES & ASSEMBLIES
A range of low loss microwave coaxial assemblies terminated with N, SMA, TNC and 7/16 connectors up to 50 GHz. Lightweight coaxial cables: 30% weight saving compared to the WN standard.

WIRELESS ASSEMBLIES
A range of miniature coaxial cables to meet the electrical performance of the wireless protocols such as Bluetooth®, Wi-Fi IEEE 802.11 a, b or g, Ultra Wide Band and Wimax®...