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## **InfiniFlex™ High-Flex Robotic Video Cable**

**Wayzata, Minnesota, USA** — The Intercon 1 division of Nortech Systems, Inc. (NSYS), a major global supplier of analog and digital video cables and assemblies, recently announced the successful completion of extensive “in-machine” robotic testing of its newest Industrial-Rugged™ cable. Cables in this new InfiniFlex™ family are created to surpass ten million flex cycles in harsh industrial applications.



Designed specifically to withstand the continual bending, twisting, and tugging of industrial robots used to assemble heavy truck-engine components, this analog video cable is ideal for high-stress mission-critical commercial environments.

The cable design consists of one 26 awg 75 ohm component for video and two 24 awg conductors for power. The coaxial element functions at 16.5 pF/ft capacitance and provides a velocity of propagation of 82%, thereby ensuring accurate video signal transmission on longer assemblies. This rugged design incorporates polyester elastomers, foam FEP dielectric, performance equalized shielding and PTFE components to ensure dependable performance. Assemblies with over molded connector ends are also available custom tailored to specific design requirements.

Previously an IEEE-1394 version of the InfiniFlex™ cable was tested by a major European manufacturer to more than eighteen million flex cycles. This Firewire™ compatible cable will be released during the fourth quarter of 2004.

Further information is available through [Intercon@nortechsys.com](mailto:Intercon@nortechsys.com) where the current PDF catalog may be downloaded.

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