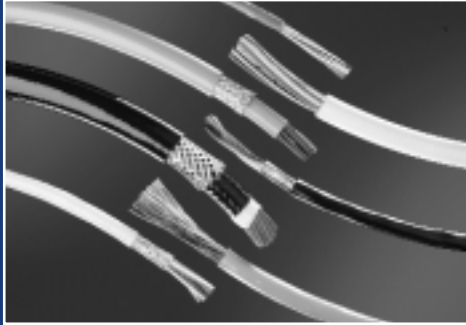




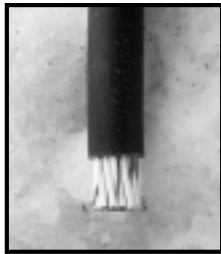
XTRA•GUARD®

HIGH PERFORMANCE ELECTRONIC CABLES



POWERFUL SOLUTIONS FOR
CRITICAL APPLICATIONS

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XTRA•GUARD® 4

Extra-Protection, High/Low Temperature TPE Jacket



SPECIFY AND CHOOSE **XTRA•GUARD® 4** FOR:

- Unmatched Cable Performance in Both High and Low Temperature Cable Applications from -60°C to 125°C
- Three-times the Low-temperature Flexibility of PVC
- Outstanding Resistance to Oils, Fuels, Solvents and Water
- Low HCL Content for Safety
- Fully Flame-resistant Color-coded TPE (thermoplastic elastomer) Insulated Conductors and a TPE Jacket
- Passes the 210,000 BTU Flame Test (300 Volt Cables)
- Available in Both 300 Volt and 600 Volt Cable Styles
- UL Listed Type TC 600 Volt and Type PLTC 300 Volt for Cable Tray Applications
- Pennsylvania Bureau Deep Mine Safety Approved (P-MWMS-1-85) for Mine-wide Monitoring Systems
- Ultraviolet Light Stability (in all colors)
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray
- UL Recognition, UL Listing and CSA Certification

XTRA•GUARD® 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Industrial Tray/Power Limited Tray Cable Applications
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

FIT® TUBING RECOMMENDATIONS:

- **FIT®-600** – Highly Flexible, Irradiated Elastomer
- **FIT®-400** – Temperature/Chemical Resistant FEP Teflon®

Teflon® is a registered trademark of E.I. DuPont Co.



XTRA•GUARD® 1

Extra-Premium Grade PVC Jacket For Extended Cable Life



SPECIFY AND CHOOSE **XTRA•GUARD® 1** FOR:

- A General Purpose Electronic Cable for Internal or External Wiring of OEM Equipment
- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- Fully Color-coded, Tinned Copper Conductors
- Premium Grade PVC Insulation and Jacket
- Jacket Colors: Gray and Black
- UL Recognition, UL Listing and CSA Certification
- Available in Both 300 Volt and 600 Volt Cable Styles
- Immediate Availability

XTRA•GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (Shielded 24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

FIT® TUBING RECOMMENDATION:

- **FIT®-221** – General Purpose, Irradiated Polyolefin (indoor)
- **FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (outdoor)



XTRA•GUARD® 5

Extra High-Temperature/ Chemical-Resistant FEP Teflon® Jacket



SPECIFY AND CHOOSE **XTRA•GUARD® 5** FOR:

- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- FEP Teflon® Cables for Unmatched Performance at Temperatures from -80°C to 200°C
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter than Conventional Cables
- Extremely Low Friction Jacket for Ease of Cable Routing
- Excellent Ampacity Rating
- Low Dielectric Constant of 2.1
- Plenum-rated Applications
- Pennsylvania Bureau Deep Mine Safety Approved (P-MWMS-1-85) for Mine-wide Monitoring Systems
- UL Recognition, UL Listing and CSA Certification

XTRA•GUARD® 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

FIT® TUBING RECOMMENDATION:

- **FIT®-650** – Chemical and Temperature Resistant Irradiated Viton®
- **FIT®-400** – Temperature/Chemical Resistant FEP Teflon®

Viton® is a registered trademark of E.I. DuPont Co. Viton® is a registered trademark of Dupont Dow Elastomers





XTRA-GUARD® 2

Industrial Strength, Extra-Rugged Polyurethane Jacket



SPECIFY AND CHOOSE XTRA-GUARD® 2 FOR:

- Now Rated to 90°C (300V) and 105°C (600V)!
- Unmatched Resistance to Oils, Fuels, Solvents and Water
- Twice the Tensile Strength of PVC
- Three-times the Tear and Abrasion Resistance of PVC
- Applications Requiring Ultraviolet Light Stability and Fungus Resistance
- Fully Color-coded PVC Insulated Tinned Copper Conductors With a Specially Formulated Extra-rugged Polyurethane Jacket
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray
- UL Recognition and CSA Certification
- Available in Both 300 Volt and 600 Volt Cable Styles

XTRA-GUARD® 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

FIT® TUBING RECOMMENDATION:

- FIT®-750 – Bonding, Adhesive Lined, Irradiated Polyolefin



XTRA-GUARD® 3

Extra-Durable Outdoor Direct-Burial Jacket



SPECIFY AND CHOOSE XTRA-GUARD® 3 FOR:

- Direct Burial Applications in Wet Earth Without the Costly Use of Conduit
- Five-times the Water Resistance of Conventional PVC
- A Specially Formulated Ethylene Propylene Copolymer Jacket for Outstanding Service Life in Outdoor Use
- Unmatched Ultraviolet Light Stability
- Available in Both 300 Volt and 600 Volt Cable Styles
- Jacket Color: Black

XTRA-GUARD® 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

FIT® TUBING RECOMMENDATION:

- FIT®-700 – Bonding, Mastic Lined, Irradiated Polyolefin

▼ PERMANENT SOLUTIONS FOR CRITICAL FLEXING APPLICATIONS! ▼



XTRA-GUARD®

Flexible Cables

High-Flex Mini Diameter Data Cable / High-Flex Torsion Robotic Cable



SPECIFY AND CHOOSE XTRA-GUARD® HIGH-FLEX MINI DIAMETER DATA CABLE FOR:

- Extreme Flexibility in Small Spaces
- Continual Flexible in Cable Tracks
- UL Listed, UL Recognized, CSA Certified and CE Marked
- Outstanding EMI Protection
- Jacket Meets VDE 0472, Section 803 Oil Test

MANUFACTURED
IN THE U.S.A.

SPECIFY AND CHOOSE XTRA-GUARD® HIGH-FLEX TORSION ROBOTIC CABLE FOR:

- Twisting and Random Robotic Flexing Motions
- Extreme Oil Resistance
- UL Recognized and CSA Certified, CE Marked

XTRA-GUARD® FLEXIBLE CABLE APPLICATIONS:

HIGH-FLEX MINI DIAMETER DATA CABLE

- Industrial Electronic Processing Equipment
- DataComm Connections
- Connecting Sensors and Actuators to Controllers
- Sensor and I/O Interconnects
- Automation Networking
- PLC, Microprocessor and Computer Interconnects

HIGH-FLEX TORSION ROBOTIC CABLE

- Twisting and Random Robotic Flexing Applications
- Power Supply to Welding, Painting and Articulating Robots
- Automation Networking
- Connecting Sensors and Actuators to Controllers

FIT® TUBING RECOMMENDATION:

- FIT®-FLEX – Highly Flexible, Irradiated Silicone Rubber
- FIT®-650 – Chemical and Temperature Resistant Irradiated Viton®

Viton® is a registered trademark of DuPont Dow Elastomers



XTRA-GUARD®

Flexible Cables

Standard-Flex Control Cable / High-Flex Control Cable



SPECIFY AND CHOOSE XTRA-GUARD® STANDARD-FLEX CONTROL CABLE FOR:

- Outstanding Oil and Chemical Resistance
- UL Recognized and CSA Certified, CE Marked
- Jacket Meets VDE 0472, Section 803 Oil Test
- Ease of Installation
- NOT FOR USE IN HIGH-FLEX APPLICATIONS

MANUFACTURED
IN THE U.S.A.

SPECIFY AND CHOOSE XTRA-GUARD® HIGH-FLEX CONTROL CABLE FOR:

- Extra Flexibility and Durability for Continuous Motion
- Extended Flex Life, 13.8 Million Cycles
- Outstanding Oil and Chemical Resistance
- Jacket Meets VDE 0472, Section 803 Oil Test
- UL Recognized and CSA Certified, CE Marked

XTRA-GUARD® FLEXIBLE CABLE APPLICATIONS:

STANDARD-FLEX CONTROL CABLE

- Applications Requiring Increased Flexibility
- Machine Tools
- CNC Machine Centers
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

HIGH-FLEX CONTROL CABLE

- Applications Requiring Continuous Flexing
- Robotics
- Installation in Cable Track
- Data Processing Equipment
- Assembly Lines
- Automation Equipment
- Material Handling Equipment

FIT® TUBING RECOMMENDATION:

- FIT®-FLEX – Highly Flexible, Irradiated Silicone Rubber
- FIT®-650 – Chemical and Temperature Resistant Irradiated Viton®

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