

Materials

Extreme Engineering Applications Demand Robust Material Performance.

➔ NORTHWIRE'S PRODUCTS ARE GUARANTEED TO PERFORM in dynamic conditions with temperatures ranging from -200°C to 260°C (-328°F to 500°F). Durable materials, subject to direct burial, exposed run and hazardous areas, to name a few, are required. Our materials are tested to meet the requirements of water and chemical resistance, wash down environments and multiple sterilization methods and cycles including gamma, ETO, autoclavable – *and much, much more.*

Optimize Your Offering with Premier Cable and Connector Material Selections.

Grades

- FDA approved
- Food grade
- Medical grade
- USP Class VI approved

Copper: 36 - 2 AWG

- Plating
 - High Strength Alloys
 - Nickel
 - Silver
 - Tin
- Stranding
 - Bunched
 - Concentric / Unilay
 - Rope Lay
 - Unilay
 - and more...

Breather Tubes

- Nylon
- PE (Polyethylene)
- PUR (Polyurethane)
- PVC (Polyvinyl chloride)

Fillers

- PP (Polypropylene)
- PES (Polyester)
- Nylon
- Cotton
- Paper

Shielding

- Aluminum Foil Tape
- Aluminized Polyester Tape
- Braid
 - Basket Weave
 - Spiral
 - Serve
- Tinned copper
- Stainless Steel

Strength Members

- Aramid Fiber
- Carbon Fibers
- Flame Resistant Meta-Aramid Fiber
- Galvanized Carbon Steel
- Glass Fibers
- Glass Reinforced Plastic

Tapes / Wraps

- FEP (Fluorinated Ethylene Propylene)
- Foam PP (Polypropylene)
- Paper
- PES (Polyester)
- PTFE (Polytetrafluoroethylene)
- Spun Nylon

Water Blocking

- Conductors
- Fillers
- Tapes

Extrusion and Molding Materials

- Fluoropolymers
 - ECTFE (Ethylene Chlorotrifluoroethylene)
 - ETFE (Ethylene Tetrafluoroethylene)
 - FEP (Fluorinated Ethylene Propylene)
 - PFA (Perfluoroalkoxy)
 - PVDF (Polyvinylidene Fluoride)
- PE (Polyethylene)
 - Foam XLPE (Cross-Link)
 - HDPE (High Density)
 - LDPE (Low Density)
 - LLDPE (Linear Low Density)
 - MDPE (Medium Density)
 - XLPE (Cross-Link)
- PES (Polyester)
- PP (Polypropylene)
 - Foam
 - FRPP (Flame Resistant)
- PUR (Polyurethane)
- PVC (Polyvinyl chloride)
 - Flexible
 - Semi-Conductive
 - SR (Semi-Rigid)

- TPE (Thermoplastic Elastomer)
- TPR (Thermoplastic Rubber)

Connectors

- Amp
- Amphenol
- Deutsch
- FCI
- Hirose
- Intercontec
- ITT/Cannon
- JST
- Kobiconn
- LEMO
- Molex
- Norcomp
- Pass and Seymour
- Pomona
- Tyco

Terminations

- Conformal coatings
- Epoxy
- Hand Crimp
- Insulation Displacement
- Pneumatic Crimp
- Potting
- Solder

Concerned about chemical substances?

NWI offers materials free of:

- PVC
- Latex
- Silicone
- BPA
- ADM
- Heavy Metals
- PFOA
- PFOS