



Numerous Options for Maximum Performance

To exceed your expectation and to conform to your exact specifications, Northwire offers a wide range of cable options:

- 4 – 32 AWG
- Copper stranding options
- 4 – 32 AWG (7, 19 strands)
- 16 – 18 AWG (19 strands or higher)
- 4 – 14 AWG (41 strands or higher)
- Up to 2" (50.8 mm) O.D.
- 300V and 1000V
- UL-listed, CSA-approved, RoHS

Stranding for Conductors

- Bunched
- Unilay
- Rope lay
- True concentric/Equilay
- And more

Copper Conductors Plating or Coating Options

- Temperature rated from 150°C to 200°C
- Tinned copper (TC)
- Silver, nickel
- High-strength alloys also available

Insulation Materials for Inner Conductors

PVC

- Semi-rigid PVC
- PVC and semi-conductive PVC

Olefins

- PE (polyethylene)
- LLDPE (linear low-density polyethylene)
- HDPE (high-density polyethylene)
- XLPE (cross-linked polyethylene)
- Foamed XLPE (cross-linked polyethylene)
- PP (polypropylene)

TPE/TPR

(thermoplastic elastomer/thermoplastic rubber)

Hytrel® (polyester elastomer)

Fluoropolymers – High-temperature insulations

- FEP (fluoroethylene polymer), 200°C
- Tefzel®, 150°C
- PFA (perfluoroalkoxy), 250°C

Mechanical Strength

- Kevlar® and equivalent aramid fiber materials
- Individual galvanized or stainless steel cable
- Stainless steel braiding

Tubes

- PVC, breather and vent tubes

Shielding Aluminum

- Foil tape, braiding with tinned copper

Frequency Spectrum

- Braid or spiral/served, 30 KHz to 30,000 KHz
- Aluminum Mylar® tape, 25,000 KHz to 300,000 KHz

Braiding Styles

- Basket, woven and spiral
- Drain wire

Jacket Material

- USP Class VI jacket materials
- Medical-grade polyurethanes
- Santoprenes (TPRs), TPEs, PVCs

Custom Composite and Hybrid Options

- Subassemblies
- Electrical and fiber-optic
- Coaxial—video, high-speed data and power



Medical Coaxial Cables

- Durable design
- 24 AWG to 32 AWG
- 1.77 dielectric or lower
- Fluoropolymer jacket
- Shield options for EMI/EMF requirements
- Foil and braid shielding
- 100 percent shielding coverage available
- Wide operating temperature range:
-200°C – 260°C



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