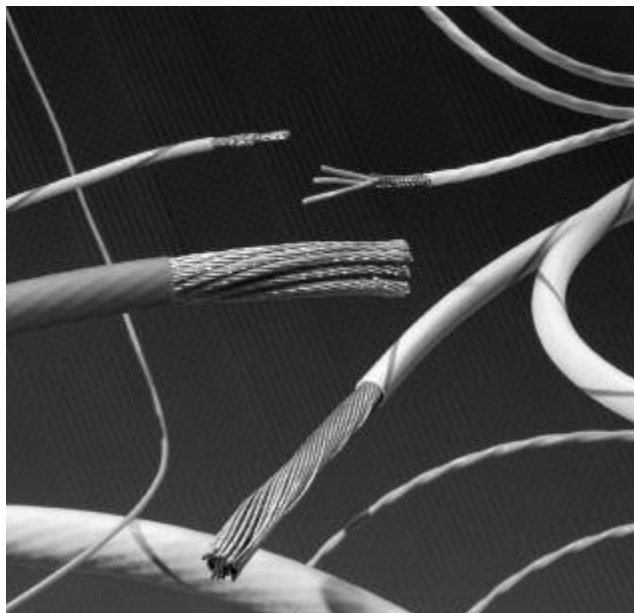


Product Facts

- Reduced weight
- Flexibility
- Low outgassing
- Function over a broad temperature range
- Flammability
- Arc track resistance
- Resistance to atomic oxygen
- Radiation resistance
- High quality and reliability
- Ease of fabrication (into Harnesses due to flexibility)
- Agency approvals
- -65°C up to +150°C [-85°F up to +302°F]
- Small size
- 600V rating
- Optional high strand count for increased flexibility
- Variety of insulation/jacket options
- Dual wall and single wall options
- Easy to install
- Mechanically tough
- Compliance with FAR 25 flammability requirements
- Resistance to harsh fluids & solvents per MIL-W-22759



Applications

FlexLine wire (also known as SPEC 80) is insulated with a flexible modified radiation cross-linked ETFE polymer. It has a temperature rating of -65°C to +150°C [-85°F to +302°F] continuous using silver copper conductor, and combines the easy handling of our SPEC 55 wire and cable with additional flexibility. FlexLine wire is used in a broad range of applications, from Hook-up wire to Power Cables.

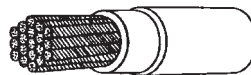
FlexLine wire constructions provide maximum flexibility similar to the MIL-W-22759 products in Mechanical, Chemical and Thermal properties.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

FlexLine Insulation System



Single Wall



Dual Wall

Single Wall 82 Wire
High strand count conductors
Light weight
AWG sizes 28 to 00
(6-mil nominal insulation thickness)

Dual Wall 81 Wire
Standard M22759 conductor stranding
Increased toughness
AWG sizes 28 to 000
(10-mil nominal insulation thickness)

Part Numbering System

8x X X X X X- Size- X/X- X

Jacket Color Identification Code (in accordance with MIL-STD-681)

Primary Wire Insulation Color
(in accordance with MIL-STD-681)

0 - Black	4 - Yellow	8 - Gray
1 - Brown	5 - Green	9 - White
2 - Red	6 - Blue	
3 - Orange	7 - Violet	

Conductor Size (AWG)

Conductor Type

1 - Tin-coated copper	4 - Silver-coated high strength copper alloy
2 - Silver-coated copper	
3 - Nickel-coated copper	6 - Nickel-coated high strength copper alloy

Number of Conductors

1 through 9

Class of Wire

1 - 600 V general purpose wire, lightweight
8 - 600 V airframe wire, normal weight

Construction

0 - Primary wire & unshielded, unjacketed
1 - Round-braid shielded & jacketed cable*
2 - Flat-braid shielded & jacketed cable*
3 - Round-braid shielded cable, no jacket*
4 - Jacketed cable, no shield
5 - Spiral-shielded & jacketed cable*
6-9 Special constructions

Wire Type

A - General Purpose
/ - Outer Space
AC- 90% Shield Coverage

Basic Specification Number

1 - Normal Stranding
2 - High Stranding

* Shield coating same as conductor coating except for the following:

- shield for conductor type 4 shall be tin-coated copper
- round braid shield constructions for conductor type 6 shall be nickel-coated copper
- flat braid shield constructions for conductor type 6 shall be tin-coated copper

Other shield variations are designated as Special Constructions