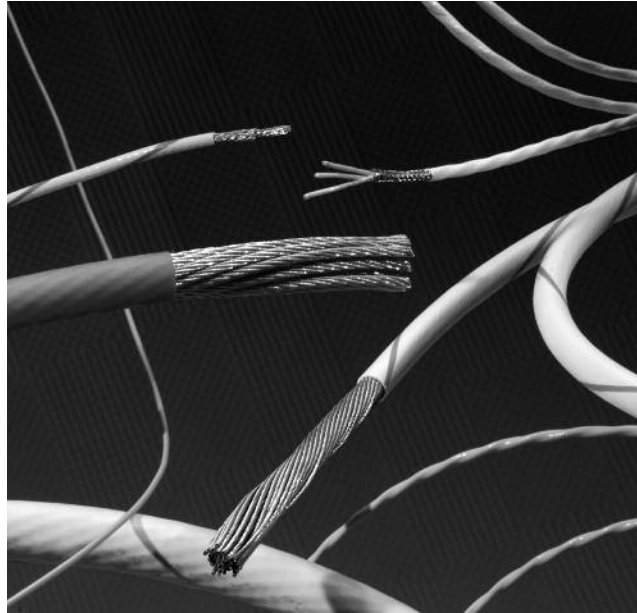


FlexLine (SPEC 80)

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 +200°C [-85°F up to +395°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 SAE-AS-22759



Applications

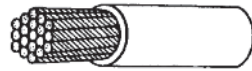
FlexLine wire (also known as SPEC 80) is insulated with a flexible modified radiation cross-linked ETFE polymer. It has a temperature rating of -65°C to +200°C [-85°F to +395°F] continuous using silver copper conductor, and combines the easy handling of our SPEC 55 wire and cable with additional flexibility. 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 SAE-AS-22759 products in Mechanical, Chemical and Thermal properties.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

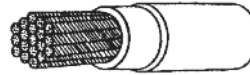
FlexLine (SPEC 80) (Continued)

FlexLine Insulation System



Single Wall

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



Dual Wall

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

Part Numbering System

81 & 82 —

**General Purpose,
 Outer Space**

82 A 1 1 2 1 - AWG - 0/9 - 9

- Jacket Color** (code per MIL-STD-681)
 Codes same as for Primary Wire Insulation Color
- Primary Wire Insulation Color** (code per 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 10 (designator for 10 conductor = 0)
- Class of Wire**

1 - 600 volt, lightweight
8 - 600 volt, normal weight
- Construction**

0 - Primary wire or unshielded & unjacketed cable
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- braid shielded & jacketed cable
6-9 Special constructions
- Product Type**

/ - Outer Space
A - General Purpose
AC- Same as A with 90% min. shield coverage
B - Discontinued
- Basic Product Number**

81 - Normal Stranding
82 - High Stranding

Part Numbering System is a cross reference only and not meant for part creation.

* Shield coating same as conductor coating except for the following:
 - for conductor type 4, shield shall be tin-coated copper
 - for conductor type 6, flat braid only, shield shall be tin-plated copper

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Hook-up Wire](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[M81044/12-22-6](#) [M81044/9-8-9](#) [CV5509-000](#) [743094-001](#) [81044/12-18-9CS3209](#) [8538-009-1000](#) [BFWUL3239-24-PINK](#) [22759/34-16-9CS2621](#) [22759/42-24-9CS2620](#) [933205-000](#) [284711-000](#) [961473-000](#) [99M0111-20-2](#) [A00594-000](#) [190571-000](#) [22759/41-12-9CS2620](#) [22759/41-16-9CS2620](#) [22759/43-10-9CS2873](#) [265925-000](#) [CM9524-000](#) [31510-010-250](#) [31514-009-500](#) [34430-010-250](#) [M81044/9-4-9](#) [391441-BK007](#) [400R0111-10-9](#) [431660-000](#) [ATFC0311-20-0](#) [ATFC0311-20-3](#) [44/7024-26-9-9](#) [44A0112-22-9CS3184](#) [456157-000](#) [55/0312-26-6L-CS2570](#) [31514-010-4000](#) [55A0811-12-9](#) [55A6087-20-9-9-9](#) [55A6315-22-9-9CS2632](#) [55A7400-22-9/96-9CS2275](#) [55A9002-30-5](#) [55PC0211-20-5CS2502](#) [55PC0811-6-9CS2637](#) [55PC1211-22-9-9CS3278](#) [C07683-000](#) [32820-009-5000](#) [34020-008-2000](#) [34406-010-1000](#) [358838-000](#) [391850-BK199](#) [392075-RD199](#) [W28-6HU](#)