

# Coated Guide Wire Components



The Merit proprietary spool-to-spool coating process results in smooth, uniform coated wire components (coiling/core wire) for the production of guide wires.



*Guide Wire Coil*

Merit's unique process of coating wire prior to coiling, results in a consistency not achieved in conventional spray-coated guide wires, which ultimately prevents cracking as is often encountered.

Merit is able to guarantee a consistent diameter and tight tolerances. Coated core wire can be supplied dead-straight. Round or flat stainless steel wire can be coated either with PTFE or a hydrophilic coating resulting in one-to-one torque. The LubriSkin™ coating acts like a lubricant during the coiling process, so there is no need for additional oils under the right process conditions.

Coated wire is available in a variety of materials, various color options, different diameters and can be supplied spooled, cut to length or coiled.

# Coated Guide Wire Components Specifications



*Merit's continuous wire coat*



*Typical competition spray coat*

Merit has pioneered and grown the technology of reel-to-reel wire and tube coating and has perfected reliable, cost-efficient coating processes for the medical industry. These processes ensure the very highest levels of quality coated wire and tubing.

## Key Characteristics

- Smooth surface
- Ultra-thin well-defined coating
- Extremely consistent diameter
- Tight coating tolerance
- Cost effective coating process

### LubriSkin™ PTFE

- Soft, flexible thin coating
- Smooth
- Superior lubricity

### DuraSkin™ PTFE

- Durable, thin coating
- Smooth surface
- Lubricious

### SlipSkin™ Hydrophilic coating

- Increased wet lubricity
- Reduced friction level
- Flexible

## Technical Information

### Coating

- PTFE (LubriSkin™ and DuraSkin™)
- Hydrophilic (SlipSkin™)

### Base Material

- Stainless Steel Wire (304 or 304V)
- Stainless Steel Flat Wire
- Pt/Ir
- Nitinol
- Other materials on request

### Diameter Range

- 0.038 mm – 1.00 mm (.0015" - .0400")

### Standard Coating Thickness

- 4 µm – 10 µm (.00016" - .0004") / side
- Other coating thickness upon request

### Coating Colors

- Black, Blue, Clear, Green, Grey, White

### Delivery Options

- On spools (DIN standards available)
- Straightened (dead-straight) and cut to length
- As coils

### Applications

- Neuro interventional, PTCA and standard diagnostic guide wires



1600 West Merit Parkway, South Jordan, UT 84095