APPLICATIONS  Suitable for use as follows:

- Southwire Type TFFN or MTW or AWM may be used as fixture wire, machine tool wiring, or appliance wiring material as specified in the National Electrical Code®.
- When used as Type TFFN, conductor is suitable for use at temperatures not to exceed 90°C.
- When used as Type MTW, conductor is suitable for use in wet locations or when exposed to oil or coolant at temperatures not to exceed 60°C or dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 75°C conductor temperature per NFPA 79).
- Conductor temperatures not to exceed 105°C in dry locations when rated AWM and used as appliance wiring material.
- Voltage for all applications is 600 volts.

STANDARDS & REFERENCES

Southwire Type TFFN or MTW or AWM meets or exceeds UL Standard 66 and requirements of the National Electrical Code®. RoHS Compliant.

CONSTRUCTION

- Southwire Type TFFN or MTW or AWM copper conductors are annealed (soft) copper, insulated with a tough, heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyamide) jacket is applied.
- Available in black, white, red, blue, green, yellow, orange, brown, purple, grey and pink; some colors standard, some subject to economic order quantity.

SPECIFICATIONS

- **TFFN:**
  Conductors shall be UL-listed Type TFFN or MTW or AWM gasoline and oil resistant II, suitable for operation at 600 volts as specified in the National Electrical Code®.
  Conductors shall be annealed copper, insulated with high-heat and moisture resistant PVC, jacketed with abrasion, moisture, gasoline and oil resistant nylon, as manufactured by Southwire Company or approved equal.
- **TFN:**
  Southwire Type TFN conductors may be used as fixture wire and as permitted for fire protective signal circuits as specified in the National Electrical Code® at conductor temperatures not to exceed 90°C or 105°C when used as AWM. Voltage rating for all applications is 600 volts.

* rated -2 for 8 AWG and larger only
1 Oil and gasoline resistant II as defined by Underwriters Laboratories
2 2005 Edition
## WEIGHTS, MEASUREMENTS, AND PACKAGING

<table>
<thead>
<tr>
<th>SIZE (AWG)</th>
<th>NUMBER OF STRANDS</th>
<th>VINYL THICKNESS (mils)</th>
<th>NYLON JACKET (mils)</th>
<th>NOMINAL O.D. (mils)</th>
<th>APPROX. NET WEIGHT PER (lbs/1000 ft)</th>
<th>ALLOWABLE AMPACITIES**</th>
<th>STANDARD PACKAGE*</th>
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*Four 500' spools per carton.

**Ampacities shown are for general use as specified by the National Electrical Code® 2005 Edition. TFFN as specified by section 402.5 and MTW as specified by NFPA 79.

### STANDARD PACKAGE CODES

- **F** – 500 ft. spool
- **N** – 2000 ft. carton
- **D** – 2500 ft. spool
- **P** – Drum

### WEIGHTS, MEASUREMENTS, AND PACKAGING

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<th>ALLOWABLE AMPACITIES**</th>
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*Four 500' spools per carton.

**Ampacities shown are for general use as specified by the National Electrical Code® 2005 Edition. TFN as specified by section 402.5.

### STANDARD PACKAGE CODES

- **F** – 500 ft. spool
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