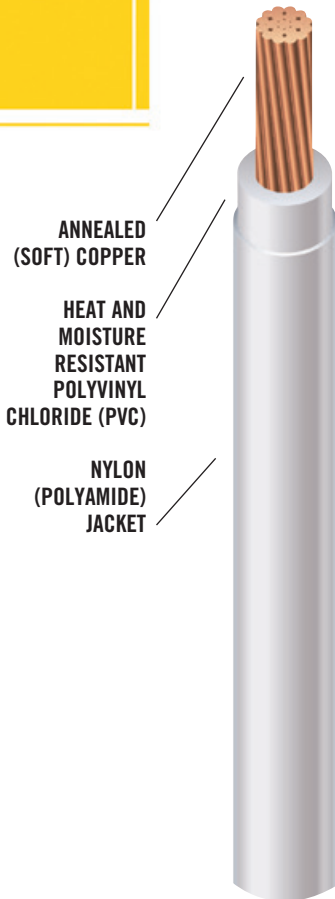


TFFN/TFN/TEWN



600 Volt

Copper Conductor

Thermoplastic Insulation/Nylon Sheath

Heat, Moisture, Oil and Gasoline Resistant¹

Rated MTW and 105°C AWM

TFN Also Available

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^{®2}
- 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.

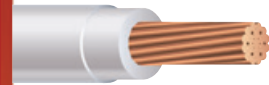
* rated -2 for 8 AWG and larger only

¹ Oil and gasoline resistant II as defined by Underwriters Laboratories

² 2005 Edition



green Spec[®]
RoHS Compliant
2002/95/EC



HVAC

TFN/TFN/TEWN

WEIGHTS, MEASUREMENTS, AND PACKAGING

| SIZE (AWG) | NUMBER OF STRANDS | VINYL THICKNESS (mils) | NYLON JACKET (mils) | NOMINAL O.D. (mils) | APPROX. NET WEIGHT PER (lbs/1000 ft) | ALLOWABLE AMPACITIES** | | STANDARD PACKAGE* |
|------------|-------------------|------------------------|---------------------|---------------------|--------------------------------------|------------------------|-----|-------------------|
| | | | | | | TFN | MTW | |
| 18 | 16 | 15 | 4 | 85 | 7 | 6 | 7 | DNFP |
| 16 | 26 | 15 | 4 | 99 | 11 | 8 | 10 | DNFP |

*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 and MTW as specified by NFPA 79.

STANDARD PACKAGE CODES
 F – 500 ft. spool
 N – 2000 ft. carton
 D – 2500 ft. spool
 P – Drum

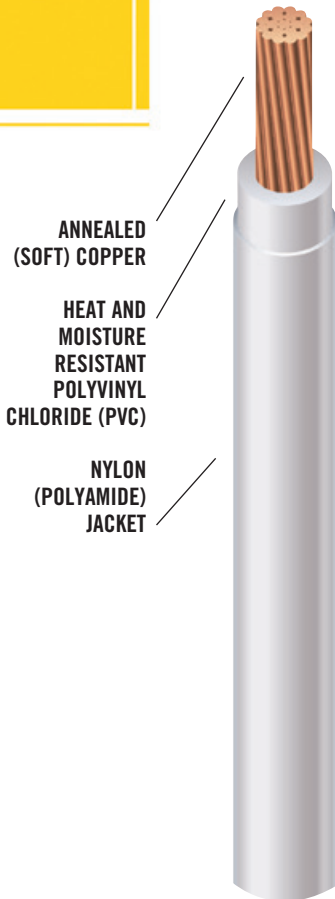
WEIGHTS, MEASUREMENTS, AND PACKAGING

| SIZE (AWG) | NUMBER OF STRANDS | VINYL THICKNESS (mils) | NYLON JACKET (mils) | NOMINAL O.D. (mils) | APPROX. NET WEIGHT PER (lbs/1000 ft) | ALLOWABLE AMPACITIES** | | STANDARD PACKAGE TFN* |
|------------|-------------------|------------------------|---------------------|---------------------|--------------------------------------|------------------------|-----|-----------------------|
| | | | | | | TFN | MTW | |
| 18 | 1 | 15 | 4 | 78 | 7 | 6 | | DNFP |
| 18 | 7 | 15 | 4 | 82 | 7 | 6 | | DNFP |
| 16 | 1 | 15 | 4 | 89 | 10 | 8 | | DNFP |
| 16 | 7 | 15 | 4 | 94 | 11 | 8 | | DNFP |

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TFFN/TFN/TEWN



600 Volt

Copper Conductor

Thermoplastic
Insulation/Nylon Sheath

Heat, Moisture, Oil and
Gasoline Resistant¹

Rated MTW and
105°C AWM

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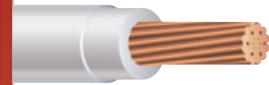
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² 2005 Edition



green Spec[®]
RoHS Compliant
2002/95/EC



HVAC

TFN/TFN/TEWN

WEIGHTS, MEASUREMENTS, AND PACKAGING

| SIZE (AWG) | NUMBER OF STRANDS | VINYL THICKNESS (mils) | NYLON JACKET (mils) | NOMINAL O.D. (mils) | APPROX. NET WEIGHT PER (lbs/1000 ft) | ALLOWABLE AMPACITIES** | | STANDARD PACKAGE* |
|------------|-------------------|------------------------|---------------------|---------------------|--------------------------------------|------------------------|-----|-------------------|
| | | | | | | TFN | MTW | |
| 18 | 16 | 15 | 4 | 85 | 7 | 6 | 7 | DNFP |
| 16 | 26 | 15 | 4 | 99 | 11 | 8 | 10 | DNFP |

*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 and MTW as specified by NFPA 79.

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|------------|-------------------|------------------------|---------------------|---------------------|--------------------------------------|------------------------|-----|-----------------------|
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