TFFN/TFN/TEWN

600 Volt

Copper Conductor

Thermoplastic Insulation/Nylon Sheath

Heat, Moisture, Oil and Gasoline Resistant[1]

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

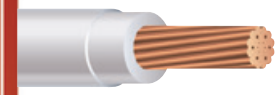
[1] Oil and gasoline resistant II as defined by Underwriters Laboratories

[2] 2005 Edition

Southwire®

UL LISTED

greenSpec® RoHS Compliant 2002/95/EC



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*
						TFFN	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. 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

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*
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

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