

# Multi Listed Flexible Wire

THHW / TEW / MTW / AWM / BC-5W2 / SAE TYPE SGT



THHW-10BLK



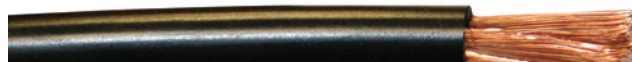
THHW-8RED



THHW-6GRN



THHW-4RED



THHW-2BLK



THHW-1/0RED



THHW-2/0BLK



THHW-4/0RED



THHW-250MCMBLK



THHW-500MCMBLK

## Ratings and Certifications:

### Flexible Building Wire

An excellent oil, heat, acid, and moisture resistance Class K Flexing Service Wire constructed with 30 AWG stranding for superior flexibility. Conductors are soft annealed 100% copper with no aluminum, constructed to ASTM Specification B172. Extra-flexible extruded, high dielectric PVC insulation.

- Rated -40°F to 221°F (-40°C to 105°C)

- UL Listed and CSA Certified



-40°C TO 105°C

### Fine Strand Battery Cable

More flexible than standard battery cable even in very cold temperatures. Cables made with Multi Listed Flexible Wire withstand persistent vibration and flexing for reliability and longevity. Ideal for battery and starter cables, ground cables, and jumper cables.

- Fine strand annealed 100% copper conductor with a tough oil, heat, acid, and water resistant PVC jacket
- Meets and exceeds SAE standards, marine ratings

### Flexible Welding Cable

30 AWG Class K fine stranded annealed copper conductors provide excellent conductivity and flexibility, reducing operator fatigue and improving efficiency. The tough, extra-flexible, high dielectric PVC jacket resists abrasion, oils, acids, heat, flame, and moisture, and performs reliably in severe cold temperatures and high heat conditions.

- Rated for -40°F to 221°F (-40°C to 105°C)

- Meets UL VW-1 and CSA FT1 flame test requirements.

### Single Conductor Marine Boat Cable

BC-5W2 Boat Cable rated for 600 Volts. This flexible wire resists vibration and flexing fatigue, withstands salt water, oil, and fuel exposure, and stays pliable in cold conditions of -40°F to 221°F (-40°C to 105°C). Its 30 AWG Class K fine 100% copper stranding and highly flexible jacket eases installation in the constricted spaces and tight corners typical of boats.

- Meets or exceeds ABYC standards
- Meets UL VW-1 and CSA FT1 flame test requirements



Additional colors available by special order — minimums may apply

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# Multi Listed Flexible Wire

## Building Wire • Battery Cable • Welding Cable • Boat Cable

### Features

- Excellent oil, heat, acid, and moisture resistance
- Class K Flexing Service Wire constructed with 30 AWG stranding for superior flexibility and conductivity
- Soft annealed bare copper made to ASTM Specification B172 with extra-flexible extruded, high dielectric polyvinyl chloride (PVC) insulation
- Rated for -40°F to 221°F (-40°C to 105°C)

### Applications

- Multipurpose use in NEC Article 310 and NFPA Standard 79 applications
- Internal appliance wiring, electronic circuits, instrument panels, switchboards, fluorescent ballasts, recreational vehicles, boat cable, renewable energy systems
- Motor and transformer leads, battery cables, hookup wire, welding leads, jumper cables



### Industry Approvals

- Meets UL VW-1 and CSA FT1 flame test requirements
- UL Listed and Approved for 600V
- Meets or exceeds UL, ABYC and SAE standards
- NEC types Machine Tool Wire and THHW
- 1/0 to 750 MCM are CT (Cable Tray) approved
- UL AWM styles 1232, 1284, 1338
- 6 AWG also UL1337, 1 to 4/0 also UL1338
- CSA Certified. TEW FT-1 for 6 to 4/0 AWG, AWM I A/B FT-1 for 250 to 750 MCM



### Typical Legend

E321440 2 AWG (33.62mm<sup>2</sup>) 600 VOLT (UL) TYPE MTW VW-1 OR THHW OR BOAT CABLE BC-5W2 OR AWM STYLES 1232/1284/1338/10269 . . . CSA 234608 TEW 105°C 600V FT1 OR AWM I A/B 600 VOLT 105°C 600V FT1 . . . FOR SAE TYPE SGT

### Class K Finely Stranded Multi Listed Flexible Wire THHW / TEW / MTW / AWM / BC-5W2 / SAE TYPE SGT

Part Number	Color	AWG	MM2	Bare Copper Stranding Qty/AWG	Nominal OD	Wall Thickness	UL Style	Ampacity** Dry	Ampacity** Wet
THHW-10BLK	● Black	10	5.26	105/30	.178"	.030"	1015	105	90
THHW-8BLK	● Black	8	8.37	168/30	.239"	.045"	1028	105	90
THHW-8RED	● Red	8	8.37	168/30	.239"	.045"	1028	105	90
THHW-6BLK	● Black	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-6RED	● Red	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-6GRN	● Green	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-4BLK	● Black	4	21.15	420/30	.378"	.060"	1232	140	125
THHW-4RED	● Red	4	21.15	420/30	.378"	.060"	1232	140	125
THHW-2BLK	● Black	2	33.61	665/30	.485"	.060"	1232	190	170
THHW-2RED	● Red	2	33.61	665/30	.485"	.060"	1232	190	170
THHW-1BLK*	● Black	1	42.40	836/30	.550"	.080"	1232	220	195
THHW-1RED*	● Red	1	42.40	836/30	.550"	.080"	1232	220	195
THHW-1/0BLK	● Black	1/0	53.50	1064/30	.625"	.080"	1232	260	230
THHW-1/0RED	● Red	1/0	53.50	1064/30	.625"	.080"	1232	260	230
THHW-2/0BLK	● Black	2/0	67.40	1323/30	.650"	.080"	1232	300	265
THHW-2/0RED	● Red	2/0	67.40	1323/30	.650"	.080"	1232	300	265
THHW-3/0BLK*	● Black	3/0	85.00	1666/30	.710"	.080"	1232	350	310
THHW-3/0RED*	● Red	3/0	85.00	1666/30	.710"	.080"	1232	350	310
THHW-4/0BLK	● Black	4/0	107.0	2107/30	.805"	.080"	1232	405	360
THHW-4/0RED	● Red	4/0	107.0	2107/30	.805"	.080"	1232	405	360
THHW-250MCMBLK	● Black	250 MCM	127.0	2499/30	.880"	.095"	1284	455	405
THHW-500MCMBLK	● Black	500 MCM	253.0	5054/30	1.160"	.095"	1284	700	620
THHW-750MCMBLK*	● Black	750 MCM	380.0	7448/30	1.380"	.110"	1284	885	785

\* Available by special order. Additional colors available upon request. Minimums may apply.

\*\* 105°C ampacities adapted from ICEA P-54-440 /NEMA WC51-1986 R1991. The ampacities provided are for informational purposes only. Acceptance of these values by any governing body is the responsibility of the end user. Ampacities are based on a single conductor, in free air, at 30°C ambient air temperature.

Some sizes available in tinned copper by special order —minimums apply

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