

# Single Conductor Building Wire

## Finely Stranded Flexible Building Wire (THHW)



### Key Attributes

- Extra flexible conductor with soft-drawn bare copper to ASTM Specifications B172
- The 105°C cable ampacities are adapted from ICEA P-54-440/NEMA WC51-1986(R1991)\*\*
- 6 through 2 gauge also UL1337, 1 through 4/0 also UL1338
- Bare copper stocked; Available in tinned copper
- Approved for cable tray applications

\*\*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.

### Features

Excellent oil, heat, acid, and moisture resistance; Class K Flexing Service Wire. Constructed for superior flexibility. Meets UL VW-1 and CSA FT1 flame test requirements. -13°F to 221°F (-25°C to 105°C) temperature rating.

### Applications

Our Flexible Building Wire is a multi-purpose product. It can be used in NEC Article 310 and NFPA Standard 79 applications, internal wiring of appliances, hookup wire, recreational vehicles, electronic circuits, switchboards, fluorescent ballasts, instrumentation panels, and motor and transformer leads, and used as boat cable.

### Industry Approvals

- UL listed
- NEC types Machine Tool Wire and THHW
- UL AWM styles 1232, 1283, 1284, 1337, 1338, 1339, 10269
- CSA Certified. TEW A/B FT-1 for 6 AWG to 4/0 AWG, AWM A/B FT-1 for 250 MCM to 750 MCM
- 1/0 through 750 MCM is "CT" approved
- UL approved for 1000V

Part Number	Color	AWG	MM <sup>2</sup>	Bare Copper Stranding	Nominal OD	Wall Thickness	UL Style	Ampacity Rating - Dry	Ampacity Rating - Wet
AUF-6-BLK-THHW	Black	6	13.30	259 x 30	.326"	.060	1232	105	95
AUF-4-BLK-THHW	Black	4	21.15	420 x 30	.378"	.060	1232	140	125
AUF-2-BLK-THHW	Black	2	33.61	665 x 30	.485"	.060	1232	190	170
AUF-1-BLK-THHW*	Black	1	42.40	836 x 30	.550"	.080	1232	220	195
AUF-1/0-BLK-THHW	Black	1/0	53.50	1064 x 30	.625"	.080	1232	260	230
AUF-2/0-BLK-THHW	Black	2/0	67.40	1323 x 30	.650"	.080	1232	300	265
AUF-2/0-RED-THHW	Red	2/0	67.40	1323 x 30	.650"	.080	1232	300	265
AUF-3/0-BLK-THHW*	Black	3/0	85.00	1666 x 30	.710"	.080	1232	350	310
AUF-4/0-RED-THHW	Red	4/0	107.0	2107 x 30	.805"	.080	1232	405	360
AUF-4/0-BLK-THHW	Black	4/0	107.0	2107 x 30	.805"	.080	1232	405	360
AUF-250-BLK-THHW	Black	250 MCM	127.0	2499 x 30	.880"	.095	1284	455	405
AUF-500-BLK-THHW	Black	500 MCM	253.0	5054 x 30	1.160"	.095	1284	700	620
AUF-750-BLK-THHW	Black	750 MCM	380.0	7448 x 30	1.380"	.110	1284	885	785

\*Not stocked. Additional colors available upon request. Minimums may apply.

1/0 through 750MCM are CT approved for 1000V applications.