



SPECIFICATIONS AND STANDARDS

- UL Standard 44 - Thermoset - Insulated Wires and Cables
- UL Standard 1581 - Reference Standard for Electrical Wires, Cables, and Flexible Cords
- ASTM-B3 Standard Specification for Soft or Annealed Copper Wire
- ASTM-B8 Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
- Complies with ARRA 2009; Section 1605 “Buy American” requirement



CONSTRUCTION

- Soft Annealed bare copper, stranded, per ASTM B3 or B8
- Heat resistant cross-linked polyethylene (XLP) insulation per UL 44
- Sunlight resistant, 8 ga. and larger sizes

APPLICATIONS

- Suitable for branch circuit wiring, as a single conductor 600 volt building wire in accordance with the National Electrical Code
- Wiring for control and power circuits in residential, commercial and industrial buildings
- May be used in wet or dry locations in conduit and other recognized raceways
- XHHW-2 conductors are rated 600V, 90°C
- To be used in compliance with NEC article 310 - “Conductors for General Wiring” and article 210 - “Branch Circuits”

Size (AWG/MCM)	Number of Strands	Conductor Size (mm ²)	Polyethylene Thickness (inches)	Outside Diameter		Allowable Ampacity			Approx. Net Weight (lbs. / 1000 ft.)
				(inches)	(mm)	60°C	75°C	90°C	
14	19	2.08	.030	.133	3.38	15	15	15	18
12	19	3.31	.030	.152	3.86	20	20	20	26
10	19	5.26	.030	.177	4.50	30	30	30	40
8	19	8.37	.045	.237	6.02	40	50	55	66
6	19	13.30	.045	.275	6.99	55	65	75	99
4	19	21.20	.045	.324	8.23	70	85	95	149
3	19	26.70	.045	.340	8.64	85	100	110	185
2	19	33.60	.045	.385	9.78	95	115	130	230
1	19	42.40	.055	.441	11.20	110	130	150	292
1/0	19	53.50	.055	.477	12.12	125	150	170	363
2/0	19	67.40	.055	.528	13.41	145	175	195	452
3/0	19	85	.055	.579	14.71	165	200	225	565
4/0	19	107	.055	.637	16.18	195	230	260	705
250	37	127	.065	.705	17.91	215	255	290	835
300	37	152	.065	.760	19.30	240	285	320	995
350	37	177	.065	.811	20.60	260	310	350	1155
400	37	203	.065	.857	21.77	280	335	380	1314
500	37	253	.065	.943	23.95	320	380	430	1633
600	61	304	.080	1.052	26.72	355	420	475	1966
750	61	380	.080	1.158	29.41	400	475	535	2441