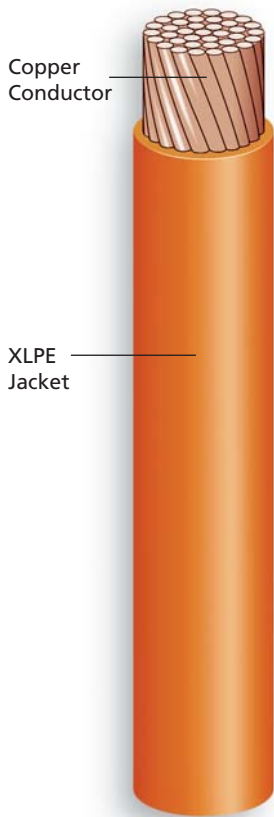


# XHHW-2 / RW90 COPPER CONDUCTOR

XHHW-2 / RW90 COPPER CONDUCTOR



## Engineering Specifications:

### Standards:

Underwriters Laboratories Standard UL-44  
Canadian Standard C22.2 No. 38



Listed E-177544

Institute of Electrical and Electronics Engineers IEEE 1202  
Federal Specification A-A-59544  
NEMA WC-70/ICEA S-95-658  
NFPA 70: National Electrical Code

### Construction:

#### Conductors:

Stranded, uncoated bare copper per ASTM-B3, ASTM-B787 and ASTM-B8

#### Insulation:

Cross-linked polyethylene (XLPE) insulation per UL-44

#### Applications:

Type XHHW-2 conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch-circuit wiring, as specified in the National Electrical Code (NEC). XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. XHHW-2 conductors are rated for 600 volts. Suitable for use in low-leaking circuits requiring a dielectric constant of 3.5 or less. Compound is rated sunlight resistant in all colors. All cables comply with UL's VW-1 (Vertical-Wire) Flame Test. Cables pass IEEE 1202/CSA (70,000 BTU/hr) cable tray flame test. 1/0 AWG and larger may be used in cable tray in accordance with the National Electrical Code.

800.962.9473

Size (AWG or kcmil)	Number of Strands	Insulation Thickness XLPE (inches)	Outside Diameter		Allowable Ampacities**			Approx. Net Weight (lbs./1000 ft.)	Standard Packaging
			(inches)	(mm)	60°C	75°C	90°C		
14	19	.030	.131	3.33	15	15	15	18	2000' carton (4x500), 2500' reels
12	19	.030	.149	3.79	20	20	20	25	1000' carton (2x500), 2500' reels
10	19	.030	.172	4.37	30	30	30	40	500' spools, 2500' reels
8	7*	.045	.236	6.00	40	50	55	67	500' 1000' 2500' 5000' reels
6	7*	.045	.274	6.96	55	65	75	100	500' 1000' 2500' 5000' reels
4	7*	.045	.322	8.18	70	85	95	150	500' 1000' 2500' 5000' reels
3	7*	.045	.350	8.89	85	100	110	205	500' 1000' 2500' 5000' reels
2	7*	.045	.382	9.71	95	115	130	230	500' 1000' 2500' 5000' reels
1	19	.055	.431	10.95	110	130	150	291	500' 1000' 2500' 5000' reels
1/0	19	.055	.470	11.94	125	150	170	362	500' 1000' 2500' 5000' reels
2/0	19	.055	.514	13.06	145	175	195	445	500' 1000' 2500' 5000' reels
3/0	19	.055	.564	14.33	165	200	225	564	500' 1000' 2500' 5000' reels
4/0	19	.055	.620	15.75	195	230	260	707	500' 1000' 2500' 5000' reels
250	37	.065	.672	17.07	215	255	290	836	500' 1000' 2500' 4000' reels
300	37	.065	.724	19.39	240	285	320	996	500' 1000' 3500' reels
350	37	.065	.771	19.59	260	310	350	1155	500' 1000' 3000' reels
400	37	.065	.815	20.71	280	335	380	1315	500' 1000' 3000' reels
500	37	.065	.896	22.76	320	380	430	1632	500' 1000' 2500' reels
600	61	.080	1.026	26.06	355	420	475	1950	500' 1000' 2000' reels
750	61	.080	1.128	28.66	400	475	535	2440	500' 1000' 1500' reels
1000	61	.080	1.277	32.44	455	545	615	3230	500' 1000' reels

\*8 AWG-2 AWG: 19/w is available by request.

\*\*Allowable ampacity shown above is per the National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

#### PRINT LEGEND:

STRANDED CONDUCTORS 14 AWG THROUGH 1 AWG.

E177544 (size) TYPE XHHW-2 GASOLINE AND OIL RESISTANT II VW-1 600 VOLTS XLPE (UL) OR C-(UL) TYPE RW 90 XLPE. DATE/TIME/OPER/QC

STRANDED CONDUCTORS 1/0 AWG THROUGH 1000 KCMIL.

E177544 (size) TYPE XHHW-2 GASOLINE AND OIL RESISTANT II VW-1 600 VOLTS XLPE (UL) FOR CT USE OR IEEE 1202 OR C(UL) TYPE RW90 XLPE FT4 DATE/TIME/OPER/QC