

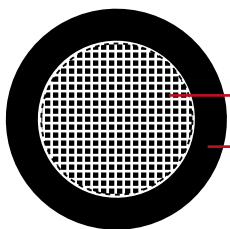


XHHW-2, 600V, type RW-90, power cable

Applications:

Type XHHW-2, type RW-90 building wire is intended for general purpose applications utilized in conduit or other recognized raceways for services, feeders, and branch-circuit wiring, as specified in the National Electrical Code (NEC). Type XHHW-2 is permitted to be used in wet or dry locations at temperatures not to exceed 90°C. Industrial environments where superior insulation toughness and chemical resistance are required. Type XHHW-2 is permitted for 600 volts applications. 1/0 AWG and larger may be used in cable tray in accordance with the National Electrical Code. 1/0 AWG and larger comply with IEEE 1202/UL FT4 flame test and ICEA T-29-520 (210,000 Btu/hr) flame test.

Construction:



Stranded tinned copper conductor
Cross-Linked Polyethylene insulation

Conductor:

Single copper conductor, stranded tinned annealed copper per ASTM B3 Class B stranding per ASTM B8

Insulation: Flame-retardant and moisture resistant Cross-Linked Polyethylene (FRXLPE)

Color: upon request, black is preferable

Compliances:

- ▶ UL 44 - Thermoset-Insulated Wires and Cables.
- ▶ UL 1685 - CT Flame Exposure Test.
- ▶ UL 1581- Flame Exposure Test (VW-1)
- ▶ IEEE 1202/FT4 (2/0 AWG and larger)
- ▶ Flame Test (70,000 Btu/hr Vertical Tray Test)).
- ▶ ICEA T-29-520 (210,000 Btu/hr) flame test
- ▶ ICEA S-95-658 (NEMA WC70)





Parameters:

AWG/ kcmil	Strand	Nominal Conductor Diameter Inch/mm		Nominal Insulation Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Copper Weight Lbs/kft kg/km		Cable Weight Lbs/kft kg/km	
14	7	0.07	1.80	0.030	0.76	0.13	3.38	12	18	17	25
12	7	0.09	2.26	0.030	0.76	0.15	3.84	20	30	26	39
10	7	0.11	2.87	0.030	0.76	0.18	4.57	32	48	38	57
8	7	0.14	3.56	0.045	1.14	0.24	6.10	51	76	65	97
6	7	0.18	4.57	0.045	1.14	0.28	7.11	81	121	99	147
4	7	0.23	5.84	0.045	1.14	0.33	8.38	129	192	152	226
2	7	0.29	7.37	0.045	1.14	0.39	9.91	205	305	233	347
1	19	0.32	8.13	0.055	1.40	0.44	11.18	256	381	293	437
1/0	19	0.36	9.14	0.055	1.40	0.48	12.19	326	485	364	572
2/0	19	0.41	10.41	0.055	1.40	0.53	13.46	411	612	453	674
3/0	19	0.46	11.68	0.055	1.40	0.58	14.73	518	772	565	842
4/0	19	0.51	12.95	0.055	1.40	0.63	16.00	653	972	706	1051
250	37	0.56	14.22	0.065	1.65	0.70	17.78	722	1074	837	1246
350	37	0.66	16.76	0.065	1.65	0.80	20.32	1081	1609	1157	1722
400	37	0.73	18.54	0.065	1.65	0.87	22.10	1235	1838	1322	1967
500	37	0.79	20.07	0.065	1.65	0.93	23.62	1544	2298	1634	2432
600	61	0.87	22.10	0.080	2.03	1.04	26.42	1853	2758	1972	2935
750	61	0.98	24.89	0.080	2.03	1.15	29.21	2316	3447	2448	3643