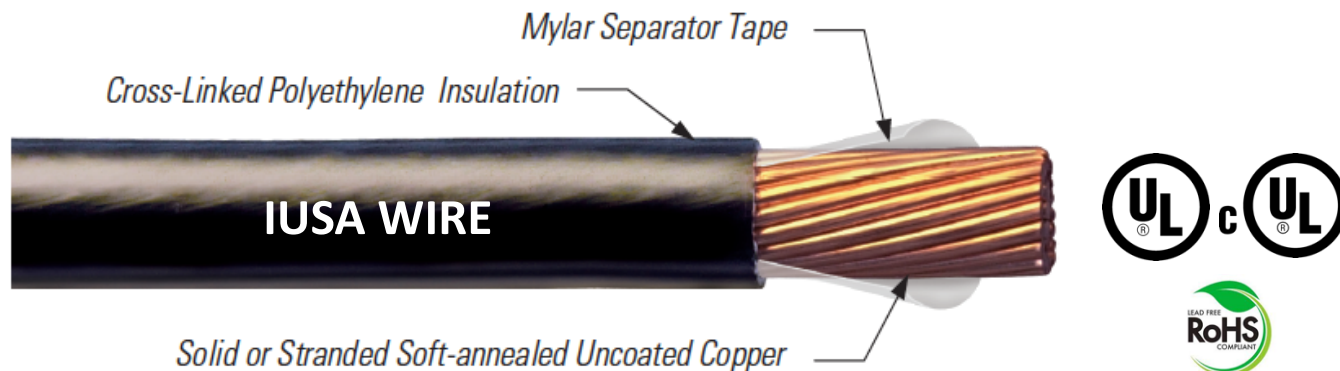


TYPE XHHW-2 / RW90 COPPER CONDUCTOR 600V

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. Type XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts.



Construction

Type XHHW-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, and heat resistant cross-linked polyethylene (XLP). Conductor sizes 2 AWG and larger listed and marked sunlight resistant in black only.

Size (AWG or KCMIL)	No. of Strands	XLPE Insulation Thickness		Outside Diameter		Approximate Net Weight		Allowable Ampacity (Amps) ¹		
		(mm)	(in)	(mm)	(in)	(kg/km)	(lbs/100ft)	60°C	75°C	90°
14	19	0.76	0.030	3.33	0.131	25	17	15	20	25
12	19	0.76	0.030	3.81	0.150	37	25	20	25	30
10	19	0.76	0.030	4.39	0.173	57	38	30	35	40
8	7	1.14	0.045	5.99	0.236	94	63	40	50	55
6	7	1.14	0.045	6.96	0.274	150	101	55	65	75
4	7	1.14	0.045	8.18	0.322	228	153	70	85	95
3	7	1.14	0.045	8.89	0.350	280	188	85	100	115
2	7	1.14	0.045	9.70	0.382	348	234	95	115	130
1	19	1.40	0.055	10.95	0.431	451	303	110	130	145
1/0	19	1.40	0.055	11.94	0.470	557	374	125	150	170
2/0	19	1.40	0.055	13.06	0.514	690	464	145	175	195
3/0	19	1.40	0.055	14.33	0.564	859	577	165	200	225
4/0	19	1.40	0.055	15.75	0.620	1068	718	195	230	260
250	37	1.65	0.065	17.07	0.672	1229	826	215	255	290
300	37	1.65	0.065	18.39	0.724	1466	985	240	285	320
350	37	1.65	0.065	19.58	0.771	1702	1144	260	310	350
400	37	1.65	0.065	20.70	0.815	1937	1302	280	335	380
500	37	1.65	0.065	22.76	0.896	2408	1618	320	380	430
600	61	2.03	0.080	26.75	1.053	2929	1969	350	420	475
750	61	2.03	0.080	29.41	1.158	3588	2411	400	475	535

Specifications

Type XHHW-2 conductors meet or exceed all applicable ASTM Specifications, UL Standard 44, Federal Specification A-A-59544, NEMA WC 70 (ICEA S-95-658) and requirements of the National Electrical Code® (NFPA 70).