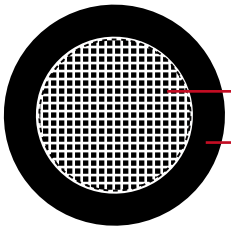
XHH / XHHW-2

Application

The XHH conductor is suitable for most current wiring solutions for residential, commercial and industrial applications. Because of its excellent response under overload and short-circuit situations, it is used in service entrance even underground installations. The XHH conductor is able to work properly up to 90ºC in dry environmental conditions. Its insulation is flame retardant, besides, it provides mechanical resistance against to humidity, chemical agents and oils. Its black pigmentation resist very well the ultraviolet sun light, therefore it could be used with no issue in outside applications. Conductors certified with suffix ´´-2 ´´, as XHH-2, these can meet a continuous operation temperature of 90ºC(194ºF) in dry or wet conditions.

Construction



Conductor: Solid or stranded bare annealed copper

Insulation: Cross-linked polyethylene(XLPE)

Color: upon request, black is preferable

Compliances:

- ASTM B3, B8
- UL 1581 - Flame Exposure Test
- UL 44 - Thermoset-Insulated Wires and Cables
- National Electrical Code (NEC)

American Standard UL

Parameters:

AWG/ kcmil	Strand	Nominal Insulation Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/kft	kg/km
14	1	0.030	0.76	0.124	3.15	16	24
12	1	0.030	0.76	0.141	3.58	24	36
10	1	0.030	0.76	0.162	4.11	37	55
8	1	0.045	1.14	0.218	5.55	61	91
6	1	0.045	1.14	0.252	6.40	93	138
14	7	0.030	0.76	0.133	3.37	17	26
12	7	0.030	0.76	0.152	3.85	26	39
10	7	0.030	0.76	0.176	4.46	39	58
8	7	0.045	1.14	0.236	5.99	65	96
6	7	0.045	1.14	0.274	6.95	98	146
4	19	0.045	1.14	0.316	8.04	148	220
3	19	0.045	1.14	0.344	8.75	184	274
2	19	0.045	1.14	0.376	9.54	229	341
1	19	0.045	1.14	0.431	10.94	292	434
1/0	19	0.055	1.40	0.470	11.94	364	541
2/0	19	0.055	1.40	0.514	13.07	453	674
3/0	19	0.055	1.40	0.564	14.33	566	842
4/0	19	0.055	1.40	0.620	15.75	708	1053
250	37	0.065	1.65	0.706	17.93	838	1247
300	37	0.065	1.65	0.761	19.33	999	1486
350	37	0.065	1.65	0.812	20.62	1159	1725
400	37	0.065	1.65	0.859	21.82	1319	1963
500	37	0.065	1.65	0.945	24.00	1639	2439
600	61	0.080	2.03	1.053	26.75	1980	2946
750	61	0.080	2.03	1.159	29.44	2459	3660
1000	61	0.080	2.03	1.313	33.35	3256	4845