

XHHW / XHHW-2 / XHH / SIS (with UL Style)

Construction

- Conductor: bare or tinned copper, bunch stranded
- Core insulation: flame retardant cross-linked halogen free compound according to table 11 UL 44 (type XL)
- Core identification: different colours
- Single core assembly for "Submersible Pump Cable": from two up to six wires cabled of type XHH or XHHW or XHHW-2 together without overall jacket
- Marking: printing according to UL and manufacturer specifications, production date and traceability code
- Range of approval: from AWG14 up to kcmil 2000, in any colour (type SIS up to AWG 4/0); intermediate cross-section, such as AWG13, AWG11..., are available

Properties

- Fire behaviour: horizontal flame test
- halogen free

Technical Data

- Thermoset insulated wire rated 600V to feed submersible pumps
- Minimum installation temperature: - 25°C
- Minimum operating temperature: - 40°C

operating type	voltage	operating temperature
XHHW-2	600V	90°C wet or dry
XHHW	600V	75°C wet and 90°C dry
XHH	600V	90° dry
SIS	600V	90° dry

Tolerance on outer diameter	Outer diameter [mm]
+/- 0,20	≤ 5
+/- 0,25	from 5,1 up to 10
+/- 0,30	from 10,1 up to 15
+/- 0,35	from 15,1 up to 25

Cross-section [AWG]	Nominal outer diameter [mm]	Cu-Weight kg/km	min. insulation res. ?//km	Electrical res. (??//km) at 20°C (untinned)	Electrical res. (??//km) at 20°C (tinned)	Inductance [mH/km]	Ampacity at air temperature 30° based on NEC [A]	Art. Num
14	3,5	21	810	8,70	9,24	0,086	25	220

Cross-section [AWG]	Nominal outer diameter [mm]	Cu-Weight kg/km	min. insulation res. Ω//km	Electrical res. (Ω//km)at 20°C (untinned)	Electrical res. (Ω//km)at 20°C (tinned)	Inductance [mH/km]	Ampacityat air temperature 30° based on NEC [A]	Art. Number
12	4,0	33	680	5,48	5,81	0,076	30	2204
11	4,3	45	560	4,35	4,61	0,071	35	2204
10	4,6	52	560	3,45	3,66	0,067	40	2204
9	5,7	70	650	2,73	2,90	0,076	45	2204
8	6,1	81	650	2,16	2,30	0,072	55	2204
7	6,7	110	540	1,71	1,79	0,067	60	2204
6	7,1	125	540	1,37	1,42	0,064	75	2204
5	8,0	170	450	1,08	1,12	0,061	80	2204
4	8,7	201	450	0,857	0,890	0,056	95	2204
3	9,5	281	400	0,679	0,707	0,053	110	2204
2	10,3	317	370	0,539	0,560	0,054	130	2204
1	12,0	400	390	0,431	0,449	0,051	150	2204
1/0	13,0	500	350	0,342	0,355	0,050	170	2204
2/0	14,3	631	320	0,271	0,282	0,047	195	2204
3/0	15,9	792	290	0,215	0,223	0,044	225	2204
4/0	17,7	996	260	0,170	0,177	0,042	260	2204

- Further formats available on request
- All data and products subject to change