

XHHW-2 Thermoset-Insulated Wires 600V

Stranded AA-8000 Alloy Aluminum with XLPE insulated



Application

Type XHHW-2 cable are primarily used in conduit or recognized raceways for services, feeders and branch circuit wiring as specified in the National Electrical Code. XHHW-2 may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 is 600 volts. Suitable for use in Health care Facilities per section 517.160 of the NEC where a dielectric constant of 3.5 or less may be specified. This product is designed to be installed without the application of pulling lubricant.

Construction

Conductor	: Compact AA-8000 Alloy Aluminum class B
Insulation	: XLPE compound, meet the requirement of Type XHHW-2 in UL44.
Rated voltage	: 600V

Core Identification

Insulation	: Black White, Red, Blue, Brown, Orange, Yellow, Grey, Green
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*other colours available on request

Installation recommendations

Min. Bending Radius during Installation	: 15xD
Min. Bending Radius Fix Installed	: 12xD
Max. Conductor Operating Temperature	: 90°C

Standards applied

UL44

Print Legend

ASCENT E477980 (UL) XXAWG/Kcmil XHHW-2 XLPE 90°C 600V YEAR xxxxxM

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Range and Dimensions

No. X Cross Section AWG	Construction of conductor	Thickness of insulation mm	Outer Diameter mm	Gross weight kg/km	Max.20°C DC resistance of Phase conductor Ω /km
6	7	1.14	6.6	56	2.21
4	7	1.14	7.7	81	1.39
3	7	1.14	8.3	98	1.10
2	7	1.14	9.1	119	0.875
1	18	1.40	10.4	154	0.693
1/0	18	1.40	11.3	187	0.550
2/0	18	1.40	12.4	228	0.436
3/0	19	1.40	13.5	281	0.346
4/0	19	1.40	14.9	345	0.274
250	36	1.65	16.5	416	0.232
300	36	1.65	17.8	489	0.194
350	36	1.65	19.0	561	0.166
400	36	1.65	20.0	636	0.145
450	36	1.65	21.1	707	0.129
500	36	1.65	22.0	778	0.116
550	60	2.03	23.6	879	0.106
600	60	2.03	24.4	950	0.0967
650	60	2.03	25.3	1022	0.0893
700	60	2.03	26.1	1096	0.0829
750	60	2.03	27.0	1168	0.0774
800	58	2.03	27.6	1238	0.0725
900	58	2.03	29.1	1382	0.0645
1000	58	2.03	30.6	1525	0.0580

Part Number	AWG/Cross Section	Insulation Color
32193694	6AWG	Black
32193695	350kcmil	Black

DATE: 2024.08.20