

Irradiated XLPE (Flexrad® 125, Exar® 400) - Type 3271 (AWM)

Hook-up Wire

UL: 125°C, 600V, VW-1

CSA: 125°C, 600V



IEWC Part Number	AWG	Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		UL Type	CSA Type
			in	mm	in	mm	lbs/1k ft	kg/km		
3271/26	26	7/34	0.030	0.8	0.082	2.1	4	6	3271	AWM I A
		19/38	0.030	0.8	0.083	2.1	4	6	3271	AWM I A
3271/24	24	7/32	0.030	0.8	0.087	2.2	5	7	3271	AWM I A
		19/36	0.030	0.8	0.088	2.2	5	7	3271	AWM I A
3271/22	22	7/30	0.030	0.8	0.093	2.4	6	9	3271	AWM I A
		19/34	0.030	0.8	0.095	2.4	6	9	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/20	20	7/28	0.030	0.8	0.101	2.6	8	12	3271	AWM I A
		19/32	0.030	0.8	0.103	2.6	8	12	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/18	18	7/26	0.030	0.8	0.111	2.8	10	14	3271	AWM I A
		19/30	0.030	0.8	0.113	2.9	10	14	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/16	16	19/.0117	0.030	0.8	0.120	3.0	13	19	3271	AWM I A
		26/30	0.030	0.8	0.123	3.1	13	20	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/14	14	19/.0147	0.030	0.8	0.134	3.4	18	27	3271	AWM I A
		41/30	0.030	0.8	0.133	3.4	18	27	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/12	12	19/.0185	0.030	0.8	0.154	3.9	27	40	3271	AWM I A
		65/30	0.030	0.8	0.156	4.0	28	41	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/10	10	37/.0167	0.030	0.8	0.179	4.5	41	61	3271	AWM I A
		105/30	0.030	0.8	0.182	4.6	41	61	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/08	8	133/.011	0.045	1.1	0.261	6.6	70	105	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/06	6	133/.0141	0.060	1.5	0.341	8.7	114	170	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/04	4	133/.0177	0.060	1.5	0.392	10.0	172	256	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/02	2	259/25	0.060	1.5	0.445	11.3	256	382	3271, XHHW, RHH, RHW, SIS	AWM I A
		665/30	0.060	1.5	0.456	11.6	256	381	3271	AWM I A
3271/01	1	259/25	0.060	1.5	0.492	12.5	316	471	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/1/0	1/0	259/24	0.080	2.0	0.588	14.9	413	615	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/2/0	2/0	259/23	0.080	2.0	0.629	16.0	533	793	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/3/0	3/0	259/22	0.080	2.0	0.684	17.4	629	936	3271, XHHW, RHH, RHW, SIS	AWM I A
3271/4/0	4/0	259/21	0.080	2.0	0.750	19.1	775	1153	3271, XHHW, RHH, RHW, SIS	AWM I A

Flexrad is a registered trademark of Judd Wire
Exar is a registered trademark of Champlain Cable

Notes

- Soft-annealed, tinned copper conductor
- Irradiated cross-linked polyethylene (XLPE) insulation
- A variety of insulation colors available

Alternative Options

- Topcoat conductor
- Overcoat conductor

Available Certifications

CSA: CL1251
MIL-W-16878F/16
LOCA Class 1E
ICEA 40 years at 90°C for 200 megarads
IEEE 383
Meets 10 CFR 50 Appendix B Quality Assurance for Nuclear Power Plants

Applications

For use in electric motor & generator, electronic, nuclear, power plant, switchgear, appliance and underground applications. Rated for continuous use up to 125°C.