

NU-FLEX 1000

Flexible & Oil Resistant PVC Control Cable

UL/CSA/CE 600/1000 Volts

- Globally Accepted Cable Design & Approvals; CE and RoHS Conforming
- Excellent flexibility in confined area applications
- Passes UL 758 & 1581, CSA and VDE 0472-Section 803 oil tests
- Resistant to oils, coolants and harsh environments
- Passes UL 1277 and VDE Impact & Crush Tests

NU-FLEX 1000 16 awg (1.5mm²) AWM STYLE 20886 90 DEG C 1000 V VW-1 CSA AWM I/II A/B FT1



Mueller Part #	Number of Conductors	Nominal Diameter		Approx. Weight	
		inches	mm	lbs/mft.	kg/km
20 AWG (19/32) 0.50mm² - 600 Volts UL/CSA					
1442003	3	0.252	6.4	43	64
1442004	4	0.272	6.9	53	78
1442005	5	0.295	7.5	63	93
1442007	7	0.323	8.2	79	116
1442012	12	0.441	11.2	131	194
18 AWG (19/30) 1.0mm² - 600 Volts UL/CSA					
1441803	3	0.283	7.2	54	80
1441804	4	0.299	7.6	69	102
1441805	5	0.327	8.3	83	123
1441807	7	0.354	9.0	104	153
1441812	12	0.472	12.0	168	248
1441818	18	0.567	14.4	252	372
1441825	25	0.677	17.2	336	496
16 AWG (30/30) 1.5mm² - 1000 Volts UL; 600 Volts CSA					
1441603	3	0.291	7.4	70	103
1441604	4	0.319	8.1	86	127
1441605	5	0.350	8.9	104	154
1441607	7	0.390	9.9	135	200
1441612	12	0.520	13.2	221	327
1441618	18	0.626	15.9	332	490
1441625	25	0.756	19.2	452	667
14 AWG (50/30) 2.5mm² - 1000 Volts UL; 600 Volts CSA					
1441403	3	0.343	8.7	103	152
1441404	4	0.382	9.7	131	194
1441405	5	0.425	10.8	163	241
1441407	7	0.465	11.8	207	306
1441412	12	0.634	16.1	246	363
12 AWG (52/30) 4.0mm² - 1000 Volts UL; 600 Volts CSA					
1441203	3	0.425	10.8	162	239
1441204	4	0.465	11.8	202	298
1441205	5	0.512	13.0	246	363
1441207	7	0.567	14.4	320	473

International Approvals

- UL – AWM Style 20886 VW-1
- CSA – AWM I A/B, II A/B FT 1
- Made in accordance to IEMMEQU
- Made in accordance to VDE 0245, 0281
- Flame retardant according to IEC 60332-1 and VDE 0472 part 804; UL 1581; CSA FT1
- Lead-Free, Mercury-Free, Cadmium-Free
- Conforms to CE Directives

Technical Data

- Fine wire stranding: VDE 0295, Class 5
- Oil Resistant PVC insulation
- Talc dispersed between conductors
- Oil Resistant grey PVC jacket
- Bend Radius: 4 x cable diameter
- Temperature rating UL/CSA: -5°C to +90°C
- UL Voltage rating: 20AWG - 18AWG 600 Volts; 16AWG - 12AWG: 1000 Volts
- CSA Voltage rating: 600 Volts
- Insulation Resistance: 20 GOhm x cm
- Color Code: Black conductors with white numbers, plus green/yellow ground

Recommended Applications

- Control Systems
- Machine Tool
- Industrial machinery
- Factory automation and drive systems
- Semiconductor
- Data processing and control systems
- Bottling and packaging equipment
- Injection Molding
- Pharmaceutical Processing
- Medical Equipment