

American Wire and Cable

Phone 440 235-1140 Fax 440 235-3330

UL Style	CSA	AWG	STND **	MIL	TEMP	Voltage	Nominal OD
PVC Appliance Wiring Material AWM / TEW - 105 C RoHS							
1007/ 1569	TR 64	14	41/30	15 Mil	80/ 105	300	0.105
1007/ 1569	TR 64	16	26/30	15 Mil	80/ 105	300	0.093
1007/ 1569	TR 64	18	16/30	15 Mil	80/ 105	300	0.076
1007/ 1569	TR 64	20	10/30	15 Mil	80/ 105	300	0.070
1007/ 1569	TR 64	22	7/30	15 Mil	80/ 105	300	0.065
1015/ 1230/ 1032 (*MTW)	TEW	10	105/30	30 Mil	90/ 105	1000/ 600	0.196
1015/ 1230/ 1032 (*MTW)	TEW	12	65/30	30 Mil	90/ 105	1000/ 600	0.154
1015/ 1230/ 1032 (*MTW)	TEW	14	41/30	30 Mil	90/ 105	1000/ 600	0.134
1015/ 1230/ 1032 (*MTW)	TEW	16	26/30	30 Mil	90/ 105	1000/ 600	0.118
1015/ 1230/ 1032 (*MTW)	TEW	18	16/30	30 Mil	90/ 105	1000/ 600	0.108
1015/ 1230/ 1032 (*MTW)	TEW	20	10/30	30 Mil	90/ 105	1000/ 600	0.103
1015/ 1230/ 1032 (*MTW)	TEW	22	7/30	30 Mil	90/ 105	1000/ 600	0.096
1015/ 1028/ 1231/ 1344/ 1032 (*MTW)	TEW	8	165/30	45 Mil	105	600	0.266
1028/ 1231/ 1344	TEW	10	105/30	45 Mil	105	600	0.222
1028/ 1231/ 1344	TEW	12	65/30	45 Mil	105	600	0.184
1028/ 1231/ 1344	TEW	14	41/30	45 Mil	105	600	0.164
1028/ 1231/ 1344	TEW	16	26/30	45 Mil	105	600	0.146
1028/ 1231/ 1344	TEW	18	16/30	45 Mil	105	600	0.141
1015/ 1232/ 1283/ 1346/ (*MTW)	TEW	6	259/30	60 Mil	105	600	0.336
1232/ 1283/ 1346	TEW	8	165/30	60 Mil	105	600	0.298
1056/ 1275	TEW	10	105/30	60 Mil	105	600	0.256
1056/ 1275	TEW	12	65/30	60 Mil	105	600	0.218
1056/ 1275	TEW	14	41/30	60 Mil	105	600	0.198
1056/ 1275	TEW	16	26/30	60 Mil	105	600	0.181
1056/ 1275	TEW	18	16/30	60 Mil	105	600	0.170
1060/ 1276	TEW	10	105/30	80 Mil	105	600	0.282
1060/ 1276	TEW	12	65/30	80 Mil	105	600	0.248
1060/ 1276	TEW	14	41/30	80 Mil	105	600	0.228
1308	TEW	6	259/30	95 Mil	105	600	0.394
1308/ 1384	TEW	8	165/30	95 Mil	105	600	0.362
1220/ 1384	TEW	6	259/30	125 Mil	105	600	0.463
1220	TEW	8	165/30	125 Mil	105	600	0.424

Put-ups: Drums (20", 30", or 42"), Reels, or Plastic Spools

*MTW rating available along with AWM ratings

** Other possible stranding: Solid, 7/St, 19/St, or 49/St - Bare or Tinned

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UL Style	CSA	AWG	STND **	MIL	TEMP	Voltage	Nominal OD
XLPE Appliance Wiring Material (AWM) - 125 C RoHS							
3173	CL 1251	10	105/30	30 Mil	125	600	0.196
3173	CL 1251	12	65/30	30 Mil	125	600	0.154
3173	CL 1251	14	41/30	30 Mil	125	600	0.134
3173	CL 1251	16	26/30	30 Mil	125	600	0.118
3173	CL 1251	18	16/30	30 Mil	125	600	0.108
3173	CL 1251	20	10/30	30 Mil	125	600	0.103
3173	CL 1251	22	7/30	30 Mil	125	600	0.096
3195	CL 1251	8	165/30	45 Mil	125	600	0.266
3290	CL 1251	16	26/30	60 Mil	125	600	0.181
3290	CL 1251	18	16/30	60 Mil	125	600	0.170
XLPE Appliance Wiring Material (AWM) / (XFF) - 150 C RoHS							
3321	CL 1503	10	105/30	30 Mil	150	600	0.196
3321	CL 1503	12	65/30	30 Mil	150	600	0.154
3321	CL 1503	14	41/30	30 Mil	150	600	0.134
3321	CL 1503	16	26/30	30 Mil	150	600	0.118
3321	CL 1503	18	16/30	30 Mil	150	600	0.108
3321	CL 1503	20	10/30	30 Mil	150	600	0.103
3321	CL 1503	8	165/30	45 Mil	150	600	0.266
3321	CL 1503	6	259/30	60 Mil	150	600	0.336
SIS Switchboard Wire (Dual Rated SIS / 125 C XLPE) RoHS							
SIS/ 3173	CL 1251	10	105/30	30 Mil	90/ 125	600	0.196
SIS/ 3173	CL 1251	12	65/30	30 Mil	90/ 125	600	0.154
SIS/ 3173	CL 1251	14	41/30	30 Mil	90/ 125	600	0.134
SIS VW-1 Switchboard Wire (ALSO RHH, RHW, XHH & XHHW) RoHS							
SIS VW-1	SIS	10	105/30	30 Mil	90	600	0.196
SIS VW-1	SIS	12	65/30	30 Mil	90	600	0.154
SIS VW-1	SIS	14	41/30	30 Mil	90	600	0.134
Put-ups: Drums (20", 30", or 42"), Reels, or Plastic Spools							
** Other possible stranding: Solid, 7/St, 19/St, or 49/St - Bare or Tinned							

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UL Style	CSA	AWG	STND **	MIL	TEMP	Voltage	Nominal OD
EPDM Appliance Wiring Material (AWM) - 125 C RoHS							
3484	AWM	10	105/30	30 Mil	125 C	600	0.196
3484	AWM	12	65/30	30 Mil	125 C	600	0.154
3484	AWM	14	41/30	30 Mil	125 C	600	0.134
3484	AWM	16	26/30	30 Mil	125 C	600	0.118
3484	AWM	18	16/30	30 Mil	125 C	600	0.108
3484	AWM	20	10/30	30 Mil	125 C	600	0.103
3484	AWM	8	165/30	45 Mil	125C	600	0.266
3284	AWM	10	105/30	45 Mil	125C	600	0.222
3284	AWM	12	65/30	45 Mil	125C	600	0.184
3284	AWM	14	41/30	45 Mil	125C	600	0.164
3284	AWM	16	26/30	45 Mil	125C	600	0.146
3284	AWM	18	16/30	45 Mil	125C	600	0.141
3284	AWM	20	10/30	45 Mil	125C	600	0.132
3284/ 3484	AWM	6	265/30	60 Mil	125C	600	0.336
3284	AWM	8	165/30	60 Mil	125C	600	0.298
3328	AWM	16	26/30	60 Mil	125 C	600	0.181
3328	AWM	18	16/30	60 Mil	125 C	600	0.170
3330	AWM	10	105/30	80 Mil	125 C	600	0.282
3330	AWM	12	65/30	80 Mil	125 C	600	0.248
3330	AWM	14	41/30	80 Mil	125 C	600	0.228

Put-ups: Drums (20", 30", or 42"), Reels, or Plastic Spools

** Other possible stranding: Solid, 7/St, 19/St, or 49/St - Bare or Tinned

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UL Style	CSA	AWG	STND**	MIL	TEMP	Voltage	Nominal OD
Glass Braided Silicone Rubber Fixture Wire - 200 C ROHS							
SF1	SEW-1	16	7/ST	15 Mil	200	300	0.103
SF1	SEW-1	18	7/ST	15 Mil	200	300	0.093
SF2, 3075	SEW-2	10	19/ST	30 Mil	200	600	0.218
SF2, 3074	SEW-2	12	19/ST	30 Mil	200	600	0.164
SF2, 3071	SEW-2	14	7/ST	30 Mil	200	600	0.147
SF2, 3071	SEW-2	16	7/ST	30 Mil	200	600	0.133
SF2, 3071	SEW-2	18	7/ST	30 Mil	200	600	0.115
Glass Braided Silicone Rubber Fixture Wire - 150 C ROHS							
SFF2, 3070, SRML	SEWF-2	12	65/30	30 Mil	150	600	0.164
SFF2, 3070, SRML	SEWF-2	14	41/30	30 Mil	150	600	0.147
SFF2, 3070, SRML	SEWF-2	16	26/30	30 Mil	150	600	0.133
SFF2, 3070, SRML	SEWF-2	18	16/30	30 Mil	150	600	0.115
SFF2, 3101, SRML		10	105/30	45 Mill	150	600	0.218
Put-ups: Reels or Plastic Spools							
** Other possible stranding: Solid - All stranding is Tinned							

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UL Style	CSA	AWG	STND**	MIL	TEMP	Voltage	Nominal OD
Silicone Rubber AWM Wire - 200 C ROHS							
3135	AWM	12	19/ST	30 Mil	200	600	0.154
3135	AWM	14	7/ST	30 Mil	200	600	0.134
3135	AWM	16	7/ST	30 Mil	200	600	0.118
3135	AWM	18	7/ST	30 Mil	200	600	0.108
3139	AWM	12	19/ST	45 Mil	200	600	0.164
3139	AWM	14	7/ST	45 Mil	200	600	0.146
3139	AWM	16	7/ST	45 Mil	200	600	0.141
3139	AWM	18	7/ST	45 Mil	200	600	
3143	AWM	12	19/ST	60 Mil	200	600	0.218
3143	AWM	14	7/ST	60 Mil	200	600	0.198
3143	AWM	16	7/ST	60 Mil	200	600	0.181
3143	AWM	18	7/ST	60 Mil	200	600	0.170
Silicone Rubber AWM Wire - 150 C ROHS							
3134	AWM	12	19/ST	30 Mil	150	600	0.154
3134	AWM	14	7/ST	30 Mil	150	600	0.134
3134	AWM	16	7/ST	30 Mil	150	600	0.118
3134	AWM	18	7/ST	30 Mil	150	600	0.108
3138	AWM	12	19/ST	45 Mil	150	600	0.164
3138	AWM	14	7/ST	45 Mil	150	600	0.146
3138	AWM	16	7/ST	45 Mil	150	600	0.141
3138	AWM	18	7/ST	45 Mil	150	600	
3142	AWM	12	19/ST	60 Mil	150	600	0.218
3142	AWM	14	7/ST	60 Mil	150	600	0.198
3142	AWM	16	7/ST	60 Mil	150	600	0.181
3142	AWM	18	7/ST	60 Mil	150	600	0.170
Put-ups: Reels or Plastic Spools							
** Other possible stranding: Solid - All stranding is Tinned							

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UL Style	AWG	Stranding		TEMP	Voltage
SPT MULTICONDUCTOR RoHS					
SPT-2	16/2	26/30	.156x.302	60C	300V
SPT-2	16/2	26/30	.156x.302	105C	300V
SPT-2	16/3	26/30	.158x.379	60C	300V
SPT-2	16/3	26/30	.158x.379	105C	300V
SPT-2	18/2	16/30	.144x.277	105C	300V
SPT-2	18/3	16/30	.143x.335	105C	300V
SPT-3	14/2	41/30	.235x.430	105C	300V
SPT-3	14/3	41/30	.230x.515	60C	300V
SPT-3	14/3	41/30	.230x.515	105C	300V
SPT-3	16/2	26/30	.186x.362	105C	300V
SPT-3	16/3	26/30	.189x.427	60C	300V
SPT-3	16/3	26/30	.189x.427	105C	300V
SPT-3	18/2	16/30	.180x.339	105C	300V
SPT-3	18/3	26/30	.172x.382	60C	300V
SPT-3	18/3	26/30	.172x.382	105C	300V
AWM MULTICONDUCTOR RoHS					
AWM	16/2	26/30	.330x.185	105C	300V
AWM	18/2	16/30	.302x.176	105C	300V

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TYPE	AWG	STND	MIL	TEMP	Voltage	Nominal OD
Type GPT Automotive Primary Wire - 85 C PVC RoHS						
GPT	8	19/st	.037	85	600	0.216
GPT	10	19/st	.031	85	600	0.175
GPT	12	19/st	.026	85	600	0.143
GPT	14	19/st	.023	85	600	0.117
GPT	16	19/st	.023	85	600	0.103
GPT	18	16/st	.023	85	600	0.091
GPT	20	10/st	.023	85	600	0.083
Type HDT Automotive Primary Wire - 85 C PVC RoHS						
HDT	8	19/st	.055	85	600	0.254
HDT	10	19/st	.046	85	600	0.206
HDT	12	19/st	.046	85	600	0.183
HDT	14	19/st	.041	85	600	0.154
HDT	16	19/st	.040	85	600	0.138
HDT	18	16/st	.037	85	600	0.123
HDT	20	10/st	.036	85	600	0.111
Type GXL Automotive Primary Wire - 125 C XLPE RoHS						
GXL	8	19/st	0.037	125	600	0.218
GXL	10	19/st	0.031	125	600	0.179
GXL	12	19/st	0.026	125	600	0.154
GXL	14	19/st	0.023	125	600	0.117
GXL	16	19/st	0.023	125	600	0.103
GXL	18	16/st	0.023	125	600	0.092
GXL	20	10/st	0.023	125	600	0.085
Type SXL Automotive Primary Wire - 125 C XLPE RoHS						
SXL	8	19/st	0.043	125	600	0.227
SXL	10	19/st	0.041	125	600	0.193
SXL	12	19/st	0.037	125	600	0.163
SXL	14	19/st	0.035	125	600	0.141
SXL	16	19/st	0.032	125	600	0.12
SXL	18	16/st	0.030	125	600	0.107
SXL	20	10/st	0.029	125	600	0.096
Put-ups: Drums (20", 30", or 42"), Reels, or Plastic Spools						