

Comparison Chart For UL Wires & Cables

UL STYLE NUMBER	AWG SIZE RANGE	VOLTAGE RATING	TEMP. RATING	INSULATION		REMARKS
				THICKNESS	MATERIAL	
1007	30 - 16	300	80°C	1/64	PVC	Internal wiring of appliances
1009	28 - 16	300	90°C	1/64	PVC	Internal wiring of appliances
1010	28 - 16	300	105°C	1/64	PVC / nylon	Internal wiring of appliances
1011	28 - 9	600	80°C	1/32	PVC	Internal wiring of appliances
1012	28 - 9	600	80°C	1/32	PVC / nylon	Internal wiring of appliances
1013	28 - 9	600	90°C	1/32	PVC	Internal wiring of appliances
1014	28 - 9	600	90°C	1/32	PVC / nylon	Internal wiring of appliances
1015	28 - 9	600	105°C	1/32	PVC	Internal wiring of appliances
1016	28 - 9	600	105°C	1/32	PVC / nylon	Internal wiring of appliances
1024	22 - 8	600	80°C	3/64	PVC	Internal wiring of appliances
1028	22 - 8	600	105°C	3/64	PVC	Internal wiring of appliances
1061	30 - 16	300	80°C	0.009"	Semirigid PVC	Internal wiring of machines
1095	30 - 16	300	80°C	0.012"	PVC	Internal wiring of machines
1096	30 - 16	300	80°C	0.012"	PVC / nylon	Internal wiring of machines
1164	28 - 12	300	150°C	0.013"	TFE	Office appliances
1180	28 - 10	300	200°C	0.013"	TFE	Office appliances
1198	26 - 8	600	150°C	0.020"	TFE	Office appliances
1199	26 - 8	600	200°C	0.020"	TFE	Office appliances
1212	32 - 20	Not rated	80°C	0.008"	TFE	Office appliances
1213	32 - 20	Not rated	105°C	0.008"	TFE	Office appliances
1226	32 - 20	Not rated	80°C	0.010"	FEP	Back panel wiring

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				THICKNESS	MATERIAL	
1227	30 - 20	Not rated	105°C	0.010"	FEP	Back panel wiring
1293	30 - 20	Not rated	105°C	0.010"	FEP / nylon	Office equipment
1294	26 - 20	Not rated	80°C	0.010"	FEP / nylon	Office equipment
1327	30 - 16	Not rated	105°C	0.010"	Kynar®	Office appliances
1330	28 - 10	600	150°C	0.020"	FEP	Office equipment
1331	28 - 10	600	200°C	0.020"	FEP	Office equipment
1332	28 - 10	300	200°C	0.013"	FEP	Office equipment
1333	28 - 10	300	150°C	0.013"	FEP	Office equipment

1351	30 - 16	Not rated	80°C	0.010"	Kynar®	Office appliances
1354	-	30	60°C	-	-	Coaxial cable
1355	32 - 20	Not rated	200°C	0.0055"	FEP - polyimide	
1371	32 - 6	Not rated	105°C	0.0055 - 0.020"	FEP	
				0.006 - 0.020"	PTFE	
1394	32 - 20	Not rated	200°C	0.0055"	PTFE - polyimide	
1422	32 - 20	Not rated	105°C	0.005"	Kynar®	Back panel wiring
1423	32 - 20	Not rated	105°C	0.004"	Kynar®	Back panel wiring
1426	32 - 20	Not rated	105°C	0.006"	Kynar®	Back panel wiring
1429	30 - 16	150	80°C	0.010"	Irradiated PVC	Internal wiring of appliances
1430	30 - 16	300	105°C	0.015"	Irradiated PVC	Internal wiring of appliances
1431	30 - 10	600	105°C	0.030"	Irradiated PVC	Motor lead
1431	8	600	105°C	0.045"	Irradiated PVC	Motor lead
1431	6 - 2	600	105°C	0.060"	Irradiated PVC	Motor lead
1431	1 - 1/0	600	105°C	0.078"	Irradiated PVC	Motor lead

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				THICKNESS	MATERIAL	
1508	30 - 20	30	105°C	0.0055"	ETFE	Back panels for computers
1512	16 - 14	Not rated	105°C	0.010"	PTFE	
1513	30 - 20	Not rated	105°C	0.0045"	ETFE	Back panels for computers
1516	30 - 20	Not rated	105°C	0.004"	ETFE	Back panels for computers
1517	30 - 20	Not rated	105°C	0.006"	ETFE	Back panels for computers
1523	30 - 20	Not rated	105°C	0.005"	ETFE	Back panels for computers
1534	30 - 14	Not rated	80°C	0.010"	Irradiated PVC	Internal wiring of appliances
1536	30 - 10	Not rated	80°C	0.010"	Irradiated PVC	Internal wiring of appliances
1538	32 - 6	125	105°C	0.0055 - 0.020"	FEP or PFA	
	36 - 8	125	105°C		PTFE	
1570	24 - 8	600	250°C	0.020 - 0.030"	PTFE (mineral filled)	
1577	32 - 16	Not rated	200°C	0.012"	FEP or PTFE	
1558	32 - 20	Not rated	125°C	0.004"	ETFE	
1584	32 - 10	1,000	200°C	0.022"	PTFE	
1586	36 - 6	Not rated	105°C	0.0055 - 0.020"	ETFE	
1591	32 - 16	300	150°C	0.016"	FEP	
1592	32 - 16	300	200°C	0.016"	FEP	
1609	36 - 6	125	105°C	0.0055 - 0.020"	ETFE	

1610	32 - 10	Not rated	105 °C	0.010"	ETFE	
1643	32 - 4/0	300	150 °C	0.13 - 0.030"	ETFE	
1644	30 - 4/0	600	150 °C	0.020 - 0.045"	ETFE	
1659	26 - 8	600	250 °C	0.020 - 0.030"	PTFE	
1671	32 - 10	300	150 °C	0.010"	ETFE	

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				THICKNESS	MATERIAL	
1709	32 - 10	300	200 °C	0.013"	PFA	
1710	30 - 4/0	600	200 °C	0.020 - 0.045"	PFA	
1716	36 - 6	150	150 °C	0.0055 - 0.020"	FEP or PFA or PTFE	
1726	32 - 4/0	300	250 °C	0.013 - 0.045"	PFA	
1727	32 - 4/0	600	250 °C	0.020 - 0.045"	PFA	
1814	32 - 20	150	150 °C	0.006"	ETFE	
1815	32 - 10	300	250 °C	0.013"	PTFE	
1828	32 - 10	300	150 °C	0.013"	ETFE	
1829	32 - 10	600	150 °C	0.020"	ETFE	
1857	32 - 16	150	150 °C	0.010"	PFA	
1858	32 - 10	300	150 °C	0.013"	PFA	
1859	32 - 4/0	600	150 °C	0.020 - 0.045"	PFA	
1860	32 - 16	150	200 °C	0.010"	PFA	
1875	32 - 20	30	105 °C	0.0055"	PTFE (expanded)	
2095	30 - 16	300	80 °C	1/64	PVC	2 conductor shielded PVC jacket
2096	30 - 16	300	80 °C	1/64	PVC	3 conductor shielded PVC jacket
2097	30 - 16	300	80 °C	1/64	PVC	4 conductor shielded PVC jacket
2098	26 - 16	300	90 °C	1/64	PVC	2 conductor shielded PVC jacket
2099	26 - 16	300	90 °C	1/64	PVC	3 conductor shielded PVC jacket
2100	26 - 16	300	90 °C	1/64	PVC	4 conductor shielded PVC jacket
2101	26 - 16	300	105 °C	1/64	PVC	2 conductor shielded PVC jacket
2102	26 - 16	300	105 °C	1/64	PVC	3 conductor shielded PVC jacket

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				THICKNESS	MATERIAL	
2103	26 - 16	300	105 °C	1/64	PVC	4 conductor shielded

						PVC jacket
2106	26 - 16	600	60 °C	1/32	PE	2 conductor shielded PVC jacket
2107	26 - 16	600	60 °C	1/32	PE	3 conductor shielded PVC jacket
2108	26 - 16	600	60 °C	1/32	PE	4 conductor shielded PVC jacket
2115	26 - 16	600	80 °C	1/32	PVC	2 conductor shielded PVC jacket
2116	26 - 16	600	80 °C	1/32	PVC	3 conductor shielded PVC jacket
2117	26 - 16	600	80 °C	1/32	PVC	4 conductor shielded PVC jacket
2343	30 minimum	Not rated	80 °C	-	-	Computer cable 0.060" PVC jacket
2344	30 minimum	Not rated	80 °C	-	-	Computer cable 0.080" PVC jacket
2345	30 minimum	Not rated	80 °C	-	-	Computer cable 0.110" PVC jacket
2346	30 minimum	Not rated	80 °C	-	-	Computer cable 0.140" PVC jacket
2384	30 minimum	300	60 °C	-	-	Computer cable 0.035" PVC jacket
2385	30 minimum	300	60 °C	-	-	Computer cable 0.060" PVC jacket
2386	30 minimum	300	60 °C	-	-	Computer cable 0.080" PVC jacket
2387	30 minimum	300	60 °C	-	-	Computer cable 0.110" PVC jacket
2388	30 minimum	300	60 °C	-	-	Computer cable 0.140" PVC jacket
2448	30 minimum	30	60 °C	-	-	Low voltage computer cable
2461	26 - 16	300	80 °C	-	-	2 - 61 conductor PVC jacket
2462	24 - 16	300	60 °C	-	-	2 - 61 conductor PVC jacket
2463	26 - 16	600	80 °C	-	-	2 - 19 conductor PVC jacket
2464	30 - 16	300	80 °C	-	-	Multi-conductor control cable PVC
2490	30 - 16	Not rated	60 °C	-	-	Multi-conductor control cable PVC
2493	30 - 16	Not rated	60 °C	-	-	Multi-conductor control cable PVC

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2501	30 minimum	600	105 °C	-	-	Multi-conductor control cable PVC
2502	40 minimum	30	80 °C	-	-	Multi-conductor control cable PVC
2507	32 - 26	Not rated	105 °C	-	-	Multi-conductor control cable PVC
3068	26 - 20	300	105 °C	0.016"	Silicone rubber	Internal wiring of

					/ glass braid	appliances
3069	26 - 20	600	150 °C	0.032"	Silicone rubber / glass braid	Internal wiring of appliances
3070	18 - 12	600	150 °C	0.032"	Silicone rubber / glass braid	Internal wiring of appliances
3071	18 - 14	600	200 °C	0.032"	Silicone rubber / glass braid	Internal wiring of appliances
3074	12	600	200 °C	0.032"	Silicone rubber / glass braid	Internal wiring of appliances
3075	10	600	200 °C	0.032"	Silicone rubber / glass braid	Internal wiring of appliances
3101	10	600	150 °C	0.048"	Silicone rubber / glass braid	Internal wiring of appliances
3122	26 - 20	300	200 °C	0.016"	Silicone rubber / glass braid	Internal wiring of appliances
3123	30 - 16	600	150 °C	0.030"	Silicone rubber	Internal wiring of appliances
3132	30 - 16	300	150 °C	0.015"	Silicone rubber	Internal wiring of appliances
3133	30 - 16	600	150 °C	0.030"	Silicone rubber	Internal wiring of appliances
3134	18 - 12	600	150 °C	0.032"	Silicone rubber	Internal wiring of appliances
3135	18 - 12	600	200 °C	0.032"	Silicone rubber	Internal wiring of appliances
3136	26 - 20	300	150 °C	0.048"	Silicone rubber	Internal wiring of appliances
3137	26 - 20	600	150 °C	0.048"	Silicone rubber	Internal wiring of appliances
3138	18 - 12	600	150 °C	0.048"	Silicone rubber	Internal wiring of appliances
3139	18 - 12	600	200 °C	0.048"	Silicone rubber	Internal wiring of appliances
3142	18 - 12	600	150 °C	0.064"	Silicone rubber	Internal wiring of appliances
3143	18 - 12	600	200 °C	0.064"	Silicone rubber	Internal wiring of appliances
3167	26 - 9	600	105 °C	0.032"	XLPE	Internal wiring of appliances

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				THICKNESS	MATERIAL	
3168	18 - 12	1000	90 °C	0.032"	XLPE	Internal wiring of appliances
3173	26 - 9	600	125 °C	0.032"	XLPE	Internal wiring of appliances
3182	26 - 9	600	125 °C	0.048"	XLPE	Internal wiring of appliances
3195	8	600	125 °C	0.048"	XLPE	Internal wiring of appliances
3196	7 - 4	600	125 °C	0.064"	XLPE	Internal wiring of appliances
3239	24 - 10	10,000 - 20,000	200 °C	0.018 - 0.024"	FEP (modified)	
5107	22 - 4/0	600	200 °C / 450 °C	0.025 -	Mica / Glass	

				0.035"		
5108	22 - 4/0	600	250 °C	0.025 - 0.035"	Mica / Glass	
5128	24 - 4	300	450 °C	0.015 - 0.020"	Mica / Glass	
5134	22 - 4	300	250 °C	0.015 - 0.020"	Mica / Glass	
5127	24 - 8	600	250 °C	0.015"	PTFE Severed Glass / Glass Braid	
5180	16 - 2	300	250 °C	0.004 - 0.012"	PTFE Severed Glass / Glass Braid	
5181	24 - 4/0	600	250 °C	0.020 - 0.045"	PTFE / Glass Braid	
5259	22 - 4/0	600	250 °C	0.012 - 0.030"	Mica / PTFE /Glass Braid	
10086	32 - 4/0	600	150 °C / 200 °C	0.010 - 0.045"	ETFE	
10109	32 - 4/0	300	150 °C / 200 °C	0.006 - 0.045"	ETFE	
10125	32 - 4/0	300	150 °C	0.006 - 0.045"	ETFE	
10126	32 - 4/0	600	150 °C	0.010 - 0.045"	ETFE	