

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E72853 (TCP) E72853-B (BIW)	UL 13	Power Limited Circuit Cable PVC Insulation/PVC or CP Jacket CL2, CL3, PLTC	22 - 12	60 - 105°C	300 V
			PVC Insulation/PVC or CP Jacket CL2, CL3	24 - 12	60 - 105°C	None
			PVC /PVC CL2, CL2X	24 - 12	60 - 105°C	None
			TPE/TPE CL2, CL3, PLTC	22 - 12	90°C	300 V
			XL Insulation/PVC, CP, or PO Jacket PLTC	22 - 12	60 - 90°C	300 V
UL	E2268 (BIW) E2268-T (TCP)	UL 44	Insulated Wire (Rubber) XHHW ^{abc} RHH, ^{acde} RHH ^{ac} RHW ^{abcde} RHW ^{abc} XHHW-2 ^{abc} , RHW-2 ^{abcf} RHW-2 ^{abcf} SIS ^a (Can be Marked "VW-1") ^b (Can be Marked "Sunlight Resistant") ^c (Can be Marked "For CT Use" 1/0 & Larger) ^d (Can be marked "LS" 1/0 & Larger) ^e (Cotton Braid coverings, with FR coatings available) ^f (Composite walls with EP/CP and EP/LSZH)	14 - 2000 KCMIL 14-- 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 4/0	90°C/75°C Wet 90°C 90°C 75°C Wet 75°C Wet 90°C Wet 90°C Wet 90°C	600 V 600 V 2000 V 600 V 2000 V 600 V 2000 V 600 V
			Deep-Well Submersible Pump Cable Constructions A, B, or D	14 - 2 AWG Solid or Stranded 1 - 500 KCMIL Stranded	90°C Wet or Dry	600 V
UL	E2268 (BIW)	UL 44	RHH (Lifeline RHH)	14 - 2000 KCMIL	90°C(Dry)	600 V
	R19349 (BIW)	UL 2196	May be Classified for "2 Hour Fire Rated"			
UL	E2268 (BIW) E2268-T (TCP)	CSA C22.2 No. 38	RW75, RWU75, RW90, RWU90, or R90 XLPE Optional FT1	14 – 2000 KCMIL	75°C Wet/90°C Dry	600 V or 1000 V
UL	E2517 (BIW) E2517-T (TCP) E2517-F (HHT)	UL 62	<u>Elevator Cable</u> E, EO, ETT, ETP, <u>Flexible Cord</u> SOO, SOOW BOSTCORD S, SO, SOW BOSTFLEX SO, SOW INDUSTRIE SV, SVO, SVOO SVE, SVEO, SVEOO SVT, SVTO, SVTOO ST, STO, STOO, STOW, STOOW SJ, SJO, SJOO, SJOW, SJOOW SJE, SJEO, SJEOO, SJEW, SJEOW, SJEOWW SJT, SJTO, SJTOO, SJTW, SJTOW, SJTOOW SE, SEO, SEOO, SEW, SEOW, SEOWW	20 - 12/12 - 2 18 - 2 18 - 2 18 - 2 18 - 16 18 - 16 18 - 16 18 - 2 18 - 10 18 - 10 18 - 10 18 - 2	60°C 60°C (-40°C)* 90°C (-40°C)* 90°C (-50°C) 60°C 90°C 60°C 105°C (-40°C) 60°C 90°C or 105°C (-50°C) 105°C 90°C or 105°C (-50°C)	300/600 V 600 V 600 V 300 V 300 V 300 V 600 V 300 V 300 V 300 V 600 V
					* -50°C with optional Neoprene jacket	

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E51363 (BIW) E51363-T (TCP) E51363-F (HHT)	UL 62	Hoistway Cable	20 - 12	60°C or 90°C	300/600 V
UL	E130231 (BIW)	UL Procedure	Portable Power Cable Type W, G, G-GC Multiconductor Single Conductor Type W	8 - 500 KCMIL 8 - 1000 KCMIL	90°C (Wet or Dry) (-50°C) 90°C (Wet or Dry) (-50°C)	2000 V 2000 V
UL	E60362 (BIW) E60362-T (TCP)	UL Procedure Miscellaneous Wires	Festoon / Flat Flex PVC, TPE, or Rubber	18 - 4/0	PVC 105°C (-40°C) TPE 105°C (-50°C) Rubber 90°C (-50°C)	600 V
			Pendflex-SR Pendant Cable	18 - 2	60, 75, 90, or 105°C (-40°C*) * With "W" rated jacket	600 V
			TGGT, TGGTM	18 - 450 KCMIL	200°C	600 V
			Reel and Festoon Cable All Temp Industrite	16 - 10 8 - 4/0	90°C	600 V 2000 V
			Submersible Pump Cable	14 - 500 KCMIL	75°C (Wet)	600 V
			Irrigation Machine Signal Cable Single, Multiconductor, or Multipair	14-12	60° (Wet)	600 V
			Submersible Pump Cable with Polyurethane Covering	14 - 500 KCMIL	75°C (Wet)	600 V
			Flat Pump Cable	8 – 4/0	90°C	5 kV
			PVC Jacketed Thermoset Wire RHW, XHHW, RHW-2, XHHW-2 Can be marked "Sunlight Resistant" and "For CT USE"	14 – 2000 KCMIL	75°C(Wet) 90°C/75°C Wet 90°C Wet	600 V or 2000 V
			Irrigation Instrumentation Cable Multiconductor cables	24 – 6	60°C (Wet)	30 V
			Irrigation Control Cable	18 – 4/0	75°C (Wet)	600 V
			Irrigation Machine Signal Cable	14 – 12	75°C (Wet)	30 V
			Traction Power Cable	1000 – 2000 KCMIL	90°C Wet or Dry	1000 V
			Shielded Traction Power Cable Rated "LS"	500 – 2000 KCMIL	90°C Wet or Dry	2000 V
			Telephone Central Office Power Cable	6 – 1,111 KCMIL	105°C Dry/75°C Wet	600 V or 2000 V
			Reel and Festoon Cable C-Flex	16 – 500 Kcmil	90°C	600 V
Flexible Motor Supply Cable Single Conductor Multiconductor	22 – 500 Kcmil 22 – 2	90°C	1000 or 2000 V			

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E63611 (BIW) E63611-T (TCP)	UL 83	Insulated Wire (Thermoplastic) FEP TW ^{ac} THW ^{abd} THWN ^{abcde} THHN ^{abcd} ^a (Can be Marked "VW-1") ^b (Can be Marked "For CT Use" 1/0 & Larger) ^c (Can be Marked "Oil Resistant I") ^d (Can be Marked "Oil Resistant II") ^e (Can be Marked "Gasoline Resistant")	14 - 2 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL	90°C 60°C 75°C 75°C Wet 90°C Dry	600 V 600 V 600 V 600 V 600 V
			Submersible Pump Cable THWN or THHN Construction A, B, C, or D	14 - 2 AWG Solid or Stranded 1 - 500 KCMIL Stranded	75°C	600 V
UL	E76156 (TCP)	UL 493	Underground Feeder Cable Single Conductor -TW ^a UF-B Multiconductor -THWN / THHN ^a (Can be Marked "Sunlight Resistant" 300 Hour)	14 - 4/0 14 - 6	60°C 90°C	600 V 600 V
UL	E125544 (TCP)	UL 1990 & Procedure	Preassembled Schedule 40 or 80 Duct, Cable In Conduit Single or Multiconductor - PLC, FPL, CATV, Communication	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"	Various Based Upon Wire or Cable Construction Installed in Conduit	Below 600 V
			Single or Multiconductor - TW, THW, THWN / THHN, XHHW, XHHW-2, RHW, RHH, RHW-2, USE, USE-2	2-1/2" 3" 3-1/2" 4"		600-2000 V
			Shielded Type MV Cable	5 - 35 kV		
UL	E227817	UL-651B	Schedule 40 Duct	All Trade sizes 1/2" to 4"	N/A	N/A
UL	E227817	UL-651B	Schedule 80 Duct	2", 2 1/2", 3"	N/A	N/A
UL	E72854 (TCP)	UL 1424	Power Limited Fire -Protective Signaling Cable Type FPL	26 - 10	105°C	300 V
UL	E208490 (BIW)	UL 1424	Power Limited Fire Alarm Signaling Cable Type FPL (Lifeline CIC) Type FPL-CI (Lifeline CI) May be Classified for "2 Hour Fire Rated"	18 - 10	90°C	300 V 200 V
	R19349 (BIW)	UL 2196				
UL	E220010 (BIW)	UL 1425	Non-Power Limited Fire Alarm Circuit Cable Type NPLF (Lifeline CIC) Type NPLF-CI (Lifeline CI) May be Classified for "2 Hour Fire Rated"	18 - 10	90°C	300 V 200 V
	R19349 (BIW)	UL 2196				
UL	E66316 (TCP)	UL 1426	Cables for Boats THW, THWN THHN	18 - 4/0 18 - 4/0	75°C 105°C	600 V 600 V
UL	E177430 (TCP) E177430-B (BIW)	UL 2250	Instrumentation Tray Cable PVC XL XLPO All Cables can be Marked "Sunlight Resistant"	22 - 12 22 - 12 22 - 12	60°C, 75°C, 90°C, or 105°C 75°C or 90°C 105°C	300 V 300 V 300 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E73061 (TCP)	UL 854	Type SEU & SER THWN/THHN XHHW XHHW-2 RHW RHW-2 RHH USE USE-2	12 - 4/0	75°C Wet/ 90°C Dry 75°C Wet/ 90°C Dry 90°C Wet or Dry 75°C Wet 90°C Wet or Dry 90°C Dry 75°C Wet/ 90°C Dry 90°C Wet or Dry	600 V 600 V 600 V 600 V 600 V 600 V 600 V 600 V
			Single Conductor USE USE-2	14 - 2000 KCMIL	75°C Wet/ 90°C Dry 90°C Wet or Dry	600 V 600 V
UL	E83287 (BIW)	UL Subject 1309. (IEEE 45)	Shipboard Cable Bostrig-125	18 - 1111 KCMIL	110°C	600, 2000 V
UL	E83287 (BIW)	IEEE-45-1983	Bostrig - MHV Single & Multiconductor Shielded	8 - 1000 KCMIL	90°C	5 & 8 kV
			Bostrig MV-NS Multiconductor Only, Non-Shielded	8 - 1000 KCMIL	90°C	5 kV
UL	E60544 (TCP) E60544-B (BIW)	UL 1277	Power & Control Tray Cable RHH or RHW or XHHW Conductors Unlisted EPCV With Nylon Conductors	18 - 1000 KCMIL	90°C/75°C Wet	600 V
			Listed FEP, PF or PFF Conductors		90°C	600 V
			Power and Control Tray Cable RFH-2, FFH-2 TFN, TFFN THHN, THWN THW, RHW RHW XHHW XHHW-2 RHW-2 RHW-2 RHH RHH	18 - 16 18 - 16 14 - 1000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL	75°C 90°C 75°C Wet/ 90°C Dry 75°C Wet /Dry 75°C Wet/Dry 75°C Wet/ 90°C Dry 90°C Wet/ Dry 90°C Wet/ Dry 90°C Wet/ Dry 90°C 90°C	600 V 600 V 600 V 600 V 2000 V 600 V 600 V 600 V 600 V 2000 V 600 V 2000 V
			Cables using VW-1 rated Conductors can be Marked "VW-1" Cables can be Marked "Direct Burial" Cables can be Marked "Sunlight Resistant" CP & CPE Jacketed Cables can be Marked "Oil Resistant II" Neoprene Jacketed Cables can be Marked "Oil Resistant I" Black TPE Jacketed Cables can be marked Sun Res, Optional Shields, 14 AWG, 3/c and larger can be marked "Direct Burial" and "Open Wiring"			
TPE/TPE Unlisted conductors May be marked "Sunlight Resistant" and "Direct Burial"	18 - 1000 KCMIL	75°C Wet/ 90°C Dry	600 V			

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
			Type W, G, and G-GC Portable Power cables Unlisted EP conductors similar to Type RHW-2 with CP Jacket May be Marked "FT-4", 4 AWG, 3/c and larger can be marked "Open Wiring"	8 - 1000 KCMIL	90°C Wet/ Dry	600 V
			Unlisted conductors employing Class XL LSZH Compound with LSZH Thermoplastic or Thermoset Jacket Can be Marked -LS	18 - 1000 KCMIL	75°C Wet/ 90°C Dry	600 V
			Unlisted conductors employing Class XL Compound with LSZH Thermoplastic or Thermoset Jacket Can be Marked -LS	18 - 1000 KCMIL	90°C Wet/ Dry	600 V
UL	E148543 (BIW)	UL Subject 1276	Welding Cable Dual layer construction	8 - 250 KCMIL	90°C	600 V
UL	E171178 (BIW) E171178-T (TCP)	UL 1063	Machine Tool Wire Single and Multiconductor	18 - 1000 KCMIL	60/90°C 60°C Wet or in Oil	600 V
			Single Conductor Construction A (w/o Nylon) Construction B (with Nylon) Multiconductor	22 - 1000 KCMIL	90°C	
UL	E69850 (BIW)	UL 1072	EPR Insulated MV-90 Shielded Single & Multiconductor	8 AWG 1000 KCMIL	90°C	5 - 35 kV
			MV-90 Non-Shielded EP/CP Single Conductors for Dry Locations Only* *Size 350 Kcmil and larger may be marked "for CT USE"		90°C	5 kV
			XLPE Insulated MV-90 Shielded Single & Multiconductor May be Marked "For CT Use"		90°C	5-35 kV
	E109003 (TCP)		Single and Multiconductor MV-90 Non Shielded Multiconductor Cables can be Marked "For CT Use"		90°C (Dry Only)	5 kV
UL	E137916 (TCP) E137916B (BIW) E137916H (BIWC)	UL 62	Fixture Wire PF PFF TF & TFF TFN & TFFN RFH-2 & FFH-2	18 - 14 18 - 14 18 - 16 18 - 16 18 - 16 18 - 16	200°C 150°C 60°C 90°C 75°C	600 V 600 V 600 V 600 V 600 V
UL	E135094 (TCP)	UL Subject 1309 (IEEE-45: 1983)	Marine Shipboard Cable MSLSPD & MSLS Control			
			XHHW, RHH/RHW, or RFHH-2 Employing UCC-1638 Jacket	14 - 1000 KCMIL	90°C	600 V
			MSXIPD, MSVNPD, MSXI & MSVNK XHHW, RFHH-2, THHN, THWN, or TFFN Employing a PVC Jacket	14 - 1000 KCMIL	90°C	600 V

**INDEPENDENT AGENCY
APPROVALS AND CERTIFICATIONS**



Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E60703 (TCP)	UL 62 UL 44 UL 83	Irrigation Cable TFN, RFH-2, FFH-2 XHHW, RHW THWN, LLDPE Unlisted conductors All cables can be Marked "Direct Burial"	18 - 16 14 - 4/0 14 - 4/0	75°C Wet or Dry 75°C Wet or Dry 75°C Wet or Dry	600 V 600 V 600 V
UL	E75851 (TCP)	UL 1569	Metal-Clad Cables Galvanized Steel Interlocked Armor (GSIA) XHHW-2, RHW-2 XHHW RHH/RHW THHN/THWN FFH-2, RFH-2 Non-jacketed Cables can be Marked "For CT Use" 3/c, 14 AWG or Larger with an overall PVC Jacket can be Marked "Direct Burial" PVC or CPE Jacketed Cables can be Marked "For CT Use" and "Sunlight Resistant"	14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 1000 KCMIL 18 - 16	90°C Wet or Dry 75°C Wet / 90°C Dry 75°C Wet / 90°C Dry 75°C Wet / 90°C Dry 75°C	600 V 600 V 2000 V 600 V 600 V
			Aluminum Interlock Armor (AIA) XHHW-2, RHW-2 XHHW RHH/RHW THHN/THWN FFH-2, RFH-2 3/c, 14 AWG or Larger Using 5052 AL Armor with an overall PVC Jacket can be Marked "Direct Burial" PVC or CPE Jacketed Cables can be Marked "For CT Use" and "Sunlight Resistant" Cables 4 AWG and Larger Using 3003-H14 Al Armor can be Marked "Direct Burial"	14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 2000 KCMIL 14 - 1000 KCMIL 18 - 16	90°C Wet or Dry 75°C Wet / 90°C Dry 75°C Wet / 90°C Dry 75°C Wet / 90°C Dry 75°C	600 V 600 V 2000 V 600 V 600 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
UL	E47943 (TCP) E47493B (BIW) E47493H (BIWC)	UL 758	Appliance Wiring Material UL Style Number 1007-1033, 1053-1060, 1064-1066, 1113, 1116, 1119, 1120, 1124, 1142, 1159, 1161, 1162, 1188, 1190-1191, 1207, 1218, 1220, 1223, 1228-1240, 1265, 1266, 1270-1280, 1282-1284, 1287, 1289, 1291, 1295, 1297, 1298, 1300, 1301, 1304, 1306-1312, 1314, 1316-1323, 1325, 1328, 1329, 1334-1346, 1381, 1383, 1384, 1387, 1389-1392, 1396, 1398-1414, 1416, 1417, 1437, 1438, 1441, 1447, 1452, 1453, 1477-1480, 1506, 1507, 1518, 1544, 1598, 1647, 1650, 1660, 1663, 1664, 1785, 1892, 1899, 2104-2108, 2112-2117, 2121-2129, 2165, 2310, 2311, 2317, 2319, 2325, 2338, 2343-2346, 2351, 2354-2356, 2384-2388, 2415, 2422-2426, 2439, 2446, 2448, 2461-2464, 2481, 2482, 2490, 2493, 2496, 2498, 2501, 2516, 2517, 2526, 2532, 2535, 2549, 2550, 2551, 2558-2560, 2563, 2570-2571, 2574, 2576, 2582, 2584-2587, 2589, 2598, 2610, 2626, 2630, 2631, 2637, 2653-2656, 2659-2662, 2668, 2679, 3002-3005, 3068-3072, 3074-3075, 3079-3080, 3100-3101, 3133-3148, 3172, 3190-3193, 3197-3198, 3201-3204, 3230, 3239, 3311, 3451, 3473, 3528, 3578, 4276-4277, 4280, 4392, 4440, 4443, 5098-5099, 5103-5104, 5107-5108, 5128, 5134, 5158, 5283, 10512	Per UL Style Sheet	Per UL Style Sheet	Per UL Style Sheet
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM FEP/Glass Class I Group A Single Conductor FT-1 Duratherm M	20 - 10 8 - 4/0	180°C * 180°C * *150°C if Bare Copper or Strand OD <26 AWG	300V 600V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM EPR/CP Class I/II Group A/B FT-4 Multiconductor CFC	18 - 500 KCMIL	90°C	600V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM EPR/CR Class I/II Group A/B FT-4 Multiconductor SDN	18 - 500 KCMIL	90°C	600V

**INDEPENDENT AGENCY
APPROVALS AND CERTIFICATIONS**



Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM PVC/PVC Class I/II Group A/B FT-1 Single & Multiconductor Pendflex-SR * Reduced Diameter Transgun Welding Cable * With optional steel supports	20 - 4/0	105°C	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM PP, PVC / CP Class I/II Group A/B FT-1 Multiconductor	22 - 12	90°C	300 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM CP/Braid Class I Group A/B FT-1 Single Conductor Central Station Cable	14 - 2000 KCMIL	90°C	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM XLPE / Braid (LSZH) Class I Group A/B FT-1 Single Conductor Central Station Cable	14 - 2000 KCMIL	90°C	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM XLPE (LSZH) Class I Group A/B FT-1 Single Conductor Central Station Cable	14 - 2000 KCMIL	105°C	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM PVC / Nylon, PVC Jacket Class I/II Group A/B FT-4 (Autoflex-TF)	18 - 4/0	90°C	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 210.2	AWM XLPE Class I, Group A/B FT-4 (Bostrig 125 Type P) Single Conductors only	14 - 2000 KCMIL	125°Cdry/90°C Wet	600 V 1000 V
CSA	LL36970 (BIW) LL36970-T (TCP) LL3864 (BIWC)	C22.2 No. 210.2 EB No. 1447	Appliance Wires Festoosing Cable Flat flex FT-1 (Shield Optional) PVC/PVC TPE/TPE EPR/CR	18 - 4/0 18 - 4/0 18 - 4/0	105°C (-40°C) 105°C (-50°C) 90°C (-50°C)	600 V 600 V 600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 49	<u>Elevator Cable</u> E, EO, ETT, ETP <u>Flexible Cord</u> SOW, BOSTFLEX SOOW BOSTCORD SOW INDUSTRIRITE SJ, SJO SJT, SJTO, SJTW, SJTOW ST, STO STW, STOW (Shield Optional)	20 - 14 / 12 - 2 18 - 2 18 - 2 18 - 2 18 - 10 18 - 10 18 - 10 18 - 10 18 - 2 18 - 2	60°C 90°C (-40°C) 90°C (-40°C) 90°C (-50°C) 60°C (-40°C) 105°C (-20°C) 105°C (-40°C) 105°C (-20°C) 105°C (-20°C)	300/600 V 600 V 600 V 600 V 300 V 300 V 300 V 300 V 600 V 600 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38 C22.2 No. 230	Thermosetting Wires Single and Multiconductor Type RW75, R90 (XLPE) FT-1, CR Jacket Optional Ratings Single Conductor 1/0 AWG and larger and multiconductor cables may be marked "TC", "FT-4*", "Direct Burial", and "Outdoor" May also be Dual Marked as "Marine Shipboard Cable" *Single Conductors 8 AWG and larger may be marked "FT-4" Bostrig 125	14 - 2000 KCMIL	90°C (-40°C)	600, 1000, & 5000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38 C22.2 No. 230	Thermosetting Wires Single and Multiconductor Type RW90 (XLPE) FT-1, CR Jacket Optional Ratings Single Conductor 1/0 AWG and larger and multiconductor cables may be marked "TC", "FT-4", "Direct Burial", and "Outdoor" May also be Dual Marked as "Marine Shipboard Cable" Bostrig 125 Type P	14 - 2000 KCMIL	90°C (-40°C)	600, 1000, & 5000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38	Thermosetting Wires Single and Multiconductor Type RW90 (EP or EPCV) FT-1, CR or CSM Jacket	14 - 2000 KCMIL	90°C (-40°C)	600, 1000, & 5000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38	Thermosetting Wires Single conductor Type RW90 (EP) Jacketed with CSM Jacket FT-1 or FT-4* *sizes 500 Kcmil and larger	14 - 2000 KCMIL	90°C (-40°C)	600, 1000, & 5000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38	Thermosetting Wires Single conductor Type RW90, RWU90 (XLPE) FT-1 or FT-2	14 - 2000 KCMIL	90°C (-40°C)	600, 1000, & 5000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38 C22.2 No. 230	Thermosetting Wires Multiconductor Type RW90 (XLPE) FT-1 or FT-2, PVC Jacket, may be marked "TC", "FT-4", "Direct Burial", and "Outdoor" (Black only), Optional Shields	14 - 2000 KCMIL	90°C (-40°C)	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 38 C22.2 No. 230	Thermosetting Wires Multiconductor Type RW90 (XLPE) FT-1 or FT-2, TPE Jacket, may be marked "TC", "FT-4", "Direct Burial", and "Outdoor" (Black only), Optional Shields	14 - 2000 KCMIL	90°C (-40°C)	600 V
CSA	LL36970 (BIW) CR2855 (BIW)	C22.2 No. 38 and TIL No. J-32 ULC-S139	Thermosetting Wires Single Conductor Type R90 (Silicone) (Lifeline) FT1 Listed Fire Resistant Cable: 2 Hour with Hose Stream	14 – 2000 KCMIL 14 – 500 KCMIL	90°C (-25°C)	600 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 49	Hoistway Cable	20 - 12	60°C & 90°C	300/600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 75	TW, TWU TW75, TWU75	14 - 4/0 14 - 4/0	60°C (-40°C) 75°C (-40°C)	600 V 600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 239	Control Cable (Shield Optional)	18 - 14	75°C (-40°C)	300 V
			RW75, R90 (XLPE) FT-4 Optional Shields, May be marked "TC" Bostrig 125	18 - 4/0	75°C Wet, 90°C Dry (-40°C)	600 V
			RW90 (XLPE) with PVC Jacket, may be marked "TC", "FT-4" (Shield Optional)	18 - 4/0	90°C Wet or Dry (-40°C)	600 V
			RW90 (XLPE) with TPE Jacket, may be marked "TC", "FT-4", Direct Burial" (Shield Optional)	18 - 4/0	90°C Wet or Dry (-40°C)	600 V
			RW90 (XLPE) with CR Jacket, may be marked "TC", "FT-4", Direct Burial" (Shield Optional) Bostrig 125 Type P	18 - 4/0	90°C Wet or Dry (-40°C)	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No 127 Notice 388C	Equipment Wire Type TEW	26 - 4/0	105°C	600 V
	LL82790 (TCP)		TEWN	18	105°C Dry / 60°C Oil	600 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 245 UL-1309	<u>Shipboard</u> Single Multiconductor May also be marked FT-4	18 - 1111 KCMIL	110°C (-40°C) 110°C (-40°C)	2000 V 600 V/2000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 96	Portable Power Type W, G, & G-GC Multiconductor Round or Flat FT-1 Optional FT-5 and -50°C or -55°	12 - 500 KCMIL	90°C (-40°C)	2000 V
			Type W Single conductor FT-1 Optional FT-5 and -55°C	8 - 1000 KCMIL	90°C (-50°C)	2000 V
			Type W Single Conductor "For Hard Usage Only" FT-1 Optional FT-5 and -55°C	8 - 500 KCMIL	90°C (-50°C)	2000 V
			Arc Welding Cable CPE EP/Neo FT-1, FT-5	8 - 300 KCMIL	90°C (-35°C) 75°C (-50°C)	None
			Type PPC CPE EP/Neo FT-1, FT-5	8 - 300 KCMIL	90°C (-35°C) 75°C (-50°C)	600 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
			Single Conductor Type SH FT-1 Optional FT-5 and -50°C or -55°C	8 -500 KCMIL	90°C (-40°C)	2001-25000 V
			Multiconductor Type SHD, and SHD-GC FT-1 Optional FT-5 and -50°C or -55°C Optional Fiber Optic Members	8 -500 KCMIL	90°C (-40°C)	2000-25000 V
CSA	LL36970 (BIW) LL36970-T (TCP)	C22.2 No. 179	Airport Series Lighting Cable	8 – 4 AWG	90°C	5 kV
ETL	100648 (BIW) 100648-1 (TCP) Report # 551892	IEEE-45 (1993) Draft and IEEE-45: 1998, IEEE-1580: 2001, UL-1309	Bostrig 125 Type P Instrumentation Control Distribution	22 - 10 18 - 10 8 - 1111	100°C 100°C 100°C	600 V 600 V 600-2000 V
ETL	100648 (BIW) Report # 563239	ICEA S68-516 UL-1072, IEC 60092-354, IEC 60502, & IEEE-45, IEEE-1580	Bostrig MHV and MHV-LS Low Smoke, or Non Low Smoke, Medium Voltage Marine Shipboard Cable & Industrial Cable Single and Multiconductor	8 - 1111 KCMIL	85°C (IEC) 90°C (NA)	1.8/3 kV (5-100%) 3.6/6 kV (8-100%) 6/10 kV (8-133%) 8.7/15 kV (15-100%) 12/20 kV (15-133%)
ETL	100648 (BIW) 100648-1 (TCP) Report # J98*14076-001	IEEE-45 (1993) Draft, IEEE-45: 1998, IEC 60092-3 and IEC 60332-3 Category A, UL-1309, IEEE- 1580: 2001	Type X, T, and T/N Instrumentation Control Power	22 - 10 18 - 10 8 - 1000 KCMIL	75°C (T), 90°C (X & T/N) 75°C (T), 90°C (X & T/N) 75°C (T), 90°C (X & T/N)	600 V 600 V 600 V
ETL	100648 (BIW) 100648-1 (TCP) Report # J98*31742-001	IEEE-45 (1993) Draft, IEEE-45: 1998, IEEE-1580, IEC 60092-3, IEC 60332-3 Category A, IEC 60754-2, & IEC 61034	Type LSX Instrumentation Control Power	22 - 10 18 - 10 8 - 1000 KCMIL	90°C 90°C 90°C	600 V 600 V 600 V
ETL	100648 (BIW) J960000484-001	UL-1581, UL-44, & UL Subject 1276	Welding Cable Integral Insulation and Jacket	8 - 250 KCMIL	90°C	600 V
DNV	Certificate; E5356, E5357, E5358, E5359, E5360 (BIW) E6466, E6467, E6468 (TCP)	IEEE-45: 1998, IEC 60092-3 IEC 60332-3 CAT A	Bostrig 125 Type P Power Control Instrumentation	8 - 1111 KCMIL 18 - 10 20 - 14	95°C (-40°C) 95°C (-40°C) 95°C (-40°C)	600/1000 V 600/1000 V 600/1000 V
DNV	Certificate; E- 5361, E5362, E5363, E5364, (BIW)	IEEE-45: 1998 IEC 60092-3 IEC 60332-3 CAT A NEK-606 Par. 2.6	Bostrig 125 Type P Power Control Instrumentation With Mud Resistant Jackets	8 - 1111 KCMIL 18 - 10 20 - 14	95°C (-40°C) 95°C (-40°C) 95°C (-40°C)	600/1000 V 600/1000 V 600/1000 V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
DNV	Certificate; E6462, E6463, E6464, E6465, File 827.10 (BIW)	IEC 60092-354, IEC 60502, IEC 60332-3 CAT A, IEC 60754-1/2, IEC 61034-1/2, ICEA S68-516 and UL-1072	Bostrig MHV and MHV-LS Single and Multiconductor Marine Shipboard Cables	8 - 1111 KCMIL	85°C (-40°C)	1.8/3 kV (5-100%) 3.6/6 kV (8-100%) 6/10 kV (8-133%) 8.7/15 kV (15-100%) 12/20 kV (15-133%)
Transport Canada (Canadian Coast Guard)	9400-20.2 (BIW)	IEEE-45: 1983	Bostrig-125 Instrumentation, Power & Control	18 - 1111 KCMIL	110°C 110°C	600 V 2000 V
Transport Canada (Canadian Coast Guard)	9400-20.2 (BIW)	IEEE-45: 1993 DRAFT	Bostrig 125 Type P Power Control Instrumentation	8 - 1111 KCMIL 18 - 10 22 - 14	100°C 100°C 100°C	600/2000 V 600 V 600 V
Transport Canada (Canadian Coast Guard)	9400-20.2 (BIW)	ICEA S68-516 UL-1072, IEEE-45, IEC 60092-354, & IEC 60502	Bostrig MHV and MHV-LS Single and Multiconductor Marine Shipboard Cables	8 - 1111 KCMIL	85°C (IEC) 90°C (IEC)	1.8/3 kV (5-100%) 3.6/6 kV (8-100%) 6/10 kV (8-133%) 8.7/15 kV (15-100%) 12/20 kV (15-133%)
Transport Canada (Canadian Coast Guard)	9400-20.2 (TCP)	IEEE-45: 1998, UL-1309/CSA 245, IEC 60092-3	Type X and T/N Insulation with Type T Jacket Power Control Instrumentation	8 - 1000 KCMIL 18 - 14 20 - 16	90°C 90°C 90°C	600 V 600 V 300 V
ABS	B315003-X (BIW) (99-PA19084-X TCP)	IEC 60092-3 IEEE-45 1993 Draft UL-1309/CSA 245 IEEE-1580: 2001	Bostrig 125 Type P Power Control Instrumentation	8 - 1111 KCMIL 18 - 10 22 - 14	100°C 100°C 100°C	600/ 2000 V 600 V 600 V
		IEC 60092-354, IEC 60502, IEC 60332-3 CAT A, IEC 60754-1/2, IEC 61034-1/2, ICEA S68-516 and UL-1072	Bostrig MHV and MHV-LS Single and Multiconductor Marine Shipboard Cables	8 - 1111 KCMIL	85°C (IEC) 90°C (NA)	1.8/3 kV (5-100%) 3.6/6 kV (8-100%) 6/10 kV (8-133%) 8.7/15 kV (15-100%) 12/20 kV (15-133%)
		IEEE-45: 1998, IEEE-1580: 2001, IEC 60092-3, IEC 60332-3 Category A, IEC 60754-2, & IEC 61034	Type LSX Insulation with Type TPO Jacket Marine Shipboard Cables Power Control Instrumentation	14 - 1111 KCMIL 18 - 10 22 - 14	90°C 90°C 90°C	600 V 600 V 600 V
ABS	99-PA19084-X (TCP)	ABS Steel Vessel Rules 4/5C.7, 4/3C.7 of MODU Rules, IEC 60092-3, IEC 60332-3 CAT A, IEEE-45 1998,	Marine Shipboard Cable Power Control Instrumentation	14 - 1000 KCMIL 18 - 10 20 - 16		
			Type X Insulation with Type T Jacket			

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
		IEEE-1580: 2001	Type T/N Insulation With Type T Jacket		90°C (NA) IEC Not Recognized	600 V -
			Type T Insulation with Type T Jacket		75°C (NA) 75°C (IEC)	600 V 600/1000 V
LLOYDS REGISTRY	95/00161(E2) 95/00162(E2)	IEC 60092-3 IEC 60332-3 CAT A	Bostrig 125 Type P Power Control Instrumentation	8 - 1111 KCMIL 18 - 10 22 - 14	95°C 95°C 95°C	600/1000 V 600/1000 V 600/1000 V
LLOYDS REGISTRY	Certificate; 99/00048 and 99/00049 (BIW)	IEC 60092-354, IEC 60502, IEC 60332-3 CAT A, IEC 60754-1/2, IEC 61034-1/2, ICEA S68-516 and UL- 1072	Bostrig MHV and MHV-LS Single and Multiconductor Marine Shipboard Cables	8 - 1111 KCMIL	85°C (-40°C)	1.8/3 kV (5-100%) 3.6/6 kV (8-100%) 6/10 kV (8-133%) 8.7/15 kV (15-100%) 12/20 kV (15-133%)
LLOYDS REGISTRY	96/00031(E1) (TCP)	IEEE-45: 1998, IEC 60092-3, IEC 60332-1, and IEC 60332-3 CAT A	Marine Shipboard Cable Type X Insulation With Type T Jacket Power Control Instrumentation	14 - 1000 KCMIL 18 - 14 20 - 16	90°C 90°C 90°C	600V 600V 300V
LLOYDS REGISTRY	99/60005 (TCP)	IEEE-45: 1998, IEC 60092-3, IEC 60332-1, and IEC 60332-3 CAT A	Marine Shipboard Cable Type T Insulation With Type T Jacket Power Control Instrumentation	20 - 1000 KCMIL	90°C 90°C 90°C	600V 600V 300V
LLOYDS REGISTRY	99/60004 (TCP)	IEEE-45: 1998, IEC 60092-3, IEC 60332-1, and IEC 60332-3 CAT A	Marine Shipboard Cable Type T/N Insulation With Type T Jacket Power Control Instrumentation	20 - 1000 KCMIL	90°C 90°C 90°C	600V 600V 300V
RUS (Formerly REA)	USDA Publication 374-2 (TCP)	RUS Outside Plant Guideline #3 "Underground Conduit System" (NEMA TC 7)	Empty Conduit NEMA TC 7	1" - 4"	N/A	N/A
Military QPL	QPL-915F (BIW)	MIL-C-915F /1 6 /8 /9 /10 /47 /48 /58 /66 /67 /74	Shipboard CVSF-4 DHO, THO, FHO DSS, TSS, FSS, 7SS JAS-250 MCSF-4 1SWF-2 2SWF MWF MSPW MSP 5SS	3, 5 2 1/2 - 600* 14-- 8 12, 250 KCMIL 6, 1 22 22 18 22, 20, 16 22, 20, 16 18 *Navy Size	Per Specification Sheet	600V 600V 600V 600V 600V — — 600V — — 600V
Military QPL	QPL-13777 (BIW)	MIL-C-13777	Group A, B	Per Spec Sheet	N/A	N/A

**INDEPENDENT AGENCY
APPROVALS AND CERTIFICATIONS**



Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating	
Military QPL	QPL-3702 (BIW)	MIL-C-3702	Ignition Cable M3702-				
			U5MC	16	-65°F, 450°F	N/A	
			U7MC	16	-65°F, 450°F	N/A	
			U5MS	20	-65°F, 450°F	N/A	
			U7MS	20	-65°F, 450°F	N/A	
			S5MC	16	-65°F, 450°F	N/A	
			S7MC	16	-65°F, 450°F	N/A	
			S5MS	20	-65°F, 450°F	N/A	
			S7MS	20	-65°F, 450°F	N/A	
			U5HC	16	-65°F, 600°F	N/A	
			U7HC	16	-65°F, 600°F	N/A	
			U5HS	20	-65°F, 600°F	N/A	
			U7HS	20	-65°F, 600°F	N/A	
			S5HC	16	-65°F, 600°F	N/A	
			S7HC	16	-65°F, 600°F	N/A	
S5HS	20	-65°F, 600°F	N/A				
S7HS	20	-65°F, 600°F	N/A				
Military QPL	QPL-8777 (BIW)	MIL-W-8777	Silicone insulation MS 25471-22	22 - 2	200°C	600V	
			Through 02 MS 27110-22	22 - 4	200°C	600V	
Military QPL	QPL-24640 (BIW)	MIL-C-24640	/19	DXW, DXOW, DXWA	16 - 14	Per Spec Sheet	600V
			/20	TXW, TXOW, TXWA	16 - 14		600V
			/21	FXW, FXOW, FXWA	16 - 14		600V
			/22	7XW, 7XOW, 7XWA	16 - 14		600V
			/23	MXCW, MXCOW, MXCWA	18		600V
			/24	TTXW, TTXOW, TTXWA	22		600V
Military QPL	QPL-24643 (BIW)	MIL-C-24643	/1	Shipboard LSCVSF-4	3	Per Spec Sheet	600V
			/3	LSDHOF, LSTHOF, LSFHOF	16 - 600 KCMIL		600V
			/15	LSDSGU, A	16 - 7		1000V
			/16	LSTSGU, A	16 - 7		1000V
			/17	LSFSGU, A	16 - 7		1000V
			/18	LSMSCU, A, LSMSCS	18		1000V
			/20	LS7SGU, A	16 - 7		1000V
MITI / DENTORI	12-8420 12-8421 12-8422 (TCP)	Dentori Electrical Appliance and Material Control Law Japanese Industrial Standard C3002, C3005, C3102, C3605	Power and Control Cable			Not Specified	
			CV Type I	8 - 32 mm ²			600V
			CVT Type II	8 - 32 mm ²			600V
			CVT Type II	32 - 1000 mm ²			600V

Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
Military QPL	QPL-13486 (BIW)	MIL-C-13486 Type 1, Class A Group 1	Low Tension Heavy Duty M13486/1-6	14	N/A	N/A
			/1-5	14	N/A	N/A
			/1-4	16	N/A	N/A
		Group 2	/1-3	16	N/A	N/A
			/1-10	6	N/A	N/A
			/1-9	8	N/A	N/A
		Group 3	/1-7	12	N/A	N/A
			/1-12	2	N/A	N/A
		Group 10	/1-2	18	N/A	N/A
		Group 11	/1-8	10	N/A	N/A
		Type 1, Class B Group 5	/6	(2) 8, 2	N/A	N/A
			/7	14	N/A	N/A
			/8	6, (2) 8	N/A	N/A
			/9	14	N/A	N/A
			/10	14	N/A	N/A
			/11	(3) 13, (3) 14	N/A	N/A
			/14-1	(2) 16, (2) 10	N/A	N/A
	/5-1	18	N/A	N/A		
Group 6 Type II, Class B	/12	14	N/A	N/A		
Group 7	/13	20	N/A	N/A		
MSHA	138-19 MSHA (BIW)	30 CFR Part 18	Bostflex SOW (EPR/Nitrile)	16 - 12 2 - 36 Conductor	105°C	600V
MSHA	138-24 MSHA (BIW)	30 CFR Part 18	All Temp Industrite RHW, RHH, SOW (EPR/Neo)	16 - 12 AWG 1 - 36 Conductor 10 AWG 1 - 12 Conductor 8 - 4 AWG 1 - 10 Conductor 2 - 4/0 AWG 1 - 6 Conductor 250 - 1000 KCMIL 1 Conductor.	90°C	600/2000V
MSHA	138-27 MSHA (BIW)	30 CFR Part 18	SOOW Bostcord (EPR/Nitrile)	18 AWG 3 - 5 Conductor 16 - 12 AWG 2 - 5 Conductor 10 AWG 2 - 4 Conductor	90°C	600V
MSHA	138-22 MSHA (BIW)	30 CFR Part 18	Type W (EPR/Neo)	8 - 4/0	105°C	600/2000V
MSHA	138-MSHA (BIW)	30 CFR Part 18	G-GC Type W (Flat)	8 - 500 KCMIL 14 - 500 KCMIL	90°C 90°C	600/1000V 600V
MSHA	7K-270087, P-7K270087 (BIW)	30 CFR Part 7, Sub Part K	Type W (Multiconductor), G, G-GC, and SHD-GC (EPR/CSPE)	8 - 500 KCMIL	90°C	2000V
MSHA	7K-270088, P-7K270088 (BIW)	30 CFR Part 7, Sub Part K	Type SOW and SOOW (EPR/CSPE)	18 - 10	90°C	600V
MSHA	7K-270089, P-7K270089 (BIW)	30 CFR Part 7, Sub Part K	Type SHD, and SHD-GC (EPR/CSPE) Optional Fiber Optics	8 - 500 KCMIL	90°C	5-15 kV
MSHA	7K-270090, P-7K270090 (BIW)	30 CFR Part 7, Sub Part K	Type SHD, and SHD-GC (EPR/Neo) Optional Fiber Optics	8 - 500 KCMIL	90°C	5-15 kV
MSHA	7K-270099, P-7K270099 (BIW)	30 CFR Part 7, Sub Part K	Type W (single Conductor) (EPR/CSPE)	8 - 1000 KCMIL	90°C	600/2000V
MSHA	7K-260044, P-7K260044 (TCP)	30 CFR Part 7, Sub Part K	Flat Mining Cable THHN or THWN Type G	8 - 4/0	75°C Wet / 90°C Dry	600V

**INDEPENDENT AGENCY
APPROVALS AND CERTIFICATIONS**



Certifying Agency	File Number	Applicable Standard	Approved Product Description	AWG Size	Temperature Rating	Voltage Rating
MSHA	7K-260142, P-7K-260142 (TCP)	30 CFR Part 7, Sub Part K	Shielded VFD Cable	14 – 1000 Kcmil	90°C wet or Dry	600V
Telecordia	DA-932	TR-206 & GR-356	1" Pressurized Air Feeder Pipe	1"	N/A	N/A
Telecordia	DA-1122	TR-206 & GR-356	½" Pressurized Air Feeder Pipe* * Armored Version is also available	½"	N/A	N/A
FAA	AC 150/5345-53	FAA L824 Airport Series Lighting Cable	Type B EPR/PVC, EPR/CPE Type C XLP, XLP/PVC, XLP/CPE	8 – 4 8 – 4	90°C	5000V