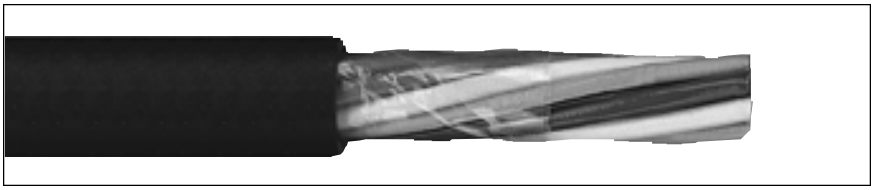
Control & Low-Voltage Cables - 600V



The Power of One source provides more options and the widest range of standard, specialized, and custom-engineered cables for every application and budget. From basics to the best, General Cable offers custom solutions to meet your specific requirements and thereby ensure the perfect fit for any job.

Today's control and low-voltage 600 volt cables are subject to a myriad of environmental, regulatory, and performance standards. BICC® Brand control cables are designed to surpass these standards, delivering that critical process control signal without failure. Our BICC® Brand low-voltage cables meet or exceed the standards and have withstood the test of time delivering power to critical equipment without failure.

Offering the widest range of jacketing and insulating materials in the industry, our standard options include Hypalon® (CSPE), CPE, XL-LSZH, EPR, XLPE AND PVC. Everyday solutions range from cost effective VNTC® and industry recognized, rugged, high performance FREP® and CHTC™ cables.

General Cable's control products serve the industrial networking, commercial, manufacturing, factory automation, process control and specialty markets. Our low-voltage cables service the industrial, commercial and specialty applications.

If you have control or low-voltage cable applications, General Cable is your best source for long life, high quality, dependable solutions.

Index | Page

CHTC™ Control, Unshielded, XLPE/HYP, 600V 33
CHTC™ Low-Voltage Power, Unshielded, XLPE/HYP, 600V 34
EHTC™ Control, Unshielded, EPR/HYP, 600V 35-36
EHTC™ Low-Voltage Power, Unshielded, EPR/HYP, 600V 37
FREP® Control, Unshielded, EPR/CPE, 600V 38
FREP® Low-Voltage Power, Unshielded, EPR/CPE, 600V 39
Arctic-Flex™ Control, Unshielded, XLPE/ARCTIC-PVC, 600V 40
Arctic-Flex™ Low-Voltage Power, Unshielded, XLPE/ARCTIC-PVC, 600V 41
CVTC™ Control, Unshielded, XLPE/PVC, 600V 42
CVTC™ Low-Voltage, Unshielded, XLPE/PVC, 600V 43
VNTC® Control, Unshielded, PVC/Nylon/PVC, 600V 44-45
VNTC® Control, Shielded, PVC/Nylon/PVC, 600V 46
VNTC® Low-Voltage Power, Unshielded, PVC/Nylon/PVC, 600V 47
DuraSheath® Low-Voltage Power, Unshielded, EPR/HYP, 600V 48
Unicon® FREP Low-Voltage Power, Unshielded, EPR, 600V 49

CONTROL CABLES

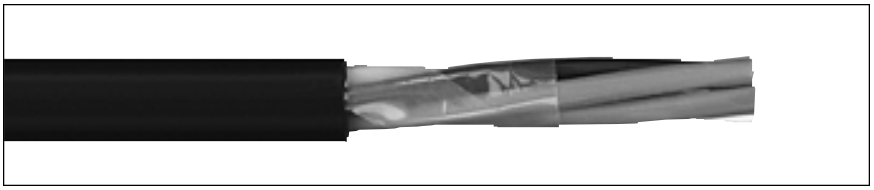
PRODUCT LINE	AWG RANGE	INSULATION	JACKET	VOLTAGE	UL/CSA LISTING	COLOR CODE/ METHOD 1
CHTC™	14 - 10	XLPE	Hypalon® (CSPE)	600	TC	TABLE-E2
EHTC™	18 - 10	EPR	Hypalon® (CSPE)	600	TC	TABLE-E2
FREP®	14 - 10	EPR	CPE	600	TC	TABLE-E2
ARCTIC-FLEX™	14 - 10	XLPE	ARCTIC-PVC	600	TC/RW-90	CSA/C22.2
CVTC™	14 - 10	XLPE	PVC	600	TC	TABLE-E2
VNTC®	18 - 10	PVC/Nylon	PVC	600	TC	TABLE-E2

LOW-VOLTAGE CABLES

PRODUCT LINE	AWG/KCMIL RANGE	INSULATION	JACKET	VOLTAGE	UL/CSA LISTING	COLOR CODE
CHTC™	8 - 500	XLPE	Hypalon® (CSPE)	600	TC	M4
EHTC™	8 - 500	EPR	Hypalon® (CSPE)	600	TC	M4
FREP®	8 - 750	EPR	CPE	600	TC	M4
ARCTIC-FLEX™	8 - 500	XLPE	ARCTIC-PVC	600	TC/RW-90	CSA/C22.2
CVTC™	8 - 750	XLPE	PVC	600	TC	M4
VNTC®	8 - 500	PVC/Nylon	PVC	600	TC	M4
DURASHEATH®	14 - 1000	EPR	Hypalon® (CSPE)	600	RHH/RHW-2/USE-2	–
UNICON® FREP	14 - 1000	EPR	–	600	RHH/RHW-2/USE-2	–

CHTC™ Control, Unshielded, XLPE/HYP

600V, UL Type TC



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
272270	2	14	7/.0242	0.030	0.76	0.045	1.14	0.370	9.40	26.31	39.15	75	112
223790	3	14	7/.0242	0.030	0.76	0.045	1.14	0.390	9.91	39.47	58.74	95	141
223780	4	14	7/.0242	0.030	0.76	0.045	1.14	0.425	10.80	52.63	78.32	118	176
223770	5	14	7/.0242	0.030	0.76	0.045	1.14	0.465	11.81	65.79	97.91	143	213
223750	7	14	7/.0242	0.030	0.76	0.045	1.14	0.505	12.83	92.10	137.06	179	266
223760	9	14	7/.0242	0.030	0.76	0.060	1.52	0.620	15.75	118.42	176.23	249	371
223640	12	14	7/.0242	0.030	0.76	0.060	1.52	0.700	17.78	157.90	234.99	317	472
223670	19	14	7/.0242	0.030	0.76	0.060	1.52	0.815	20.70	249.74	371.66	467	695
347010	25	14	7/.0242	0.030	0.76	0.080	2.03	0.985	25.02	329.95	490.97	650	967
347020	30	14	7/.0242	0.030	0.76	0.080	2.03	1.050	26.67	388.62	578.67	750	1116
232850	37	14	7/.0242	0.030	0.76	0.080	2.03	1.130	28.70	490.36	729.75	899	1338
12 AWG CONDUCTORS													
272260	2	12	7/.0305	0.030	0.76	0.045	1.14	0.410	10.41	51.12	76.07	98	146
223910	3	12	7/.0305	0.030	0.76	0.045	1.14	0.435	11.05	63.75	94.87	127	189
223930	4	12	7/.0305	0.030	0.76	0.045	1.14	0.475	12.07	85.00	125.97	160	238
223920	5	12	7/.0305	0.030	0.76	0.045	1.14	0.520	13.21	106.25	158.12	194	289
224080	7	12	7/.0305	0.030	0.76	0.060	1.52	0.595	15.11	168.36	250.55	264	393
224070	9	12	7/.0305	0.030	0.76	0.060	1.52	0.695	17.65	191.25	284.62	345	513
224090	12	12	7/.0305	0.030	0.76	0.060	1.52	0.780	19.81	255.00	379.49	435	647
265940	19	12	7/.0305	0.030	0.76	0.080	2.03	0.955	24.26	403.34	600.25	690	1027
347030	25	12	7/.0305	0.030	0.76	0.080	2.03	1.095	27.81	515.10	766.52	896	1333
347040	30	12	7/.0305	0.030	0.76	0.080	2.03	1.175	29.85	618.12	919.89	1040	1548
347050	37	12	7/.0305	0.030	0.76	0.080	2.03	1.265	32.13	785.86	1169.44	1253	1865
10 AWG CONDUCTORS													
346940	2	10	7/.0385	0.030	0.76	0.045	1.14	0.455	5.26	80.24	119.41	132	196
224100	3	10	7/.0385	0.030	0.76	0.045	1.14	0.485	12.32	100.46	149.50	176	262
224110	4	10	7/.0385	0.030	0.76	0.060	1.52	0.560	14.22	133.95	199.34	240	357
224120	5	10	7/.0385	0.030	0.76	0.060	1.52	0.615	15.62	167.44	249.17	291	433
224130	7	10	7/.0385	0.030	0.76	0.060	1.52	0.670	17.02	234.42	348.84	376	560
347060	9	10	7/.0385	0.030	0.76	0.060	1.52	0.785	19.94	295.49	439.72	484	720
347070	12	10	7/.0385	0.030	0.76	0.080	2.03	0.920	23.37	401.86	598.01	652	970

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:

- 14 thru 10 AWG fully annealed stranded tinned copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color code: per ICEA Method 1; Table E-2 (Does not include white or green)

Jacket:

- Low-Lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print

- GENERAL CABLE® BICC® BRAND (WC) CHTC XX/C XXAWG XLP/HYP (UL) TYPE TC XHHW-2 CDRS DIR BUR SUN RES OIL RES I & II 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Bare copper conductor
- Class C stranding
- E-1 color code
- Ethylene Propylene Rubber (EPR) insulation
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:

- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Permitted for use in Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 340 for Type TC cables

Features:

- Rated at 90°C wet or dry
- Excellent physical, thermal and electrical properties
- Excellent moisture resistance
- Excellent flame resistance
- Oil-resistant jacket
- "Heavy Duty" rating per ICEA standards
- Sunlight- and weather-resistant
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35°C

Compliances:

- UL Type TC - 600V
- UL Type XHHW-2, VW-1 conductors
- ICEA S-95-658/NEMA WC70 (Formerly - ICEA S-66-524/NEMA WC7)
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
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CHTC™ Low-Voltage Power, Unshielded, XLPE/HYP

600V, UL Type TC

Product Construction

Conductor:
- 8 AWG thru 500 kcmil tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color code: per ICEA Method 4; Individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- Uninsulated bare annealed copper per ASTM B3
- Class B stranding per ASTM B8

Jacket:
- Low-Lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print:
- GENERAL CABLE® BICC® BRAND (WC) CHTC XX/C XXAWG XLP/HYP(UL) TYPE TC XHHW-2 CDRS DIR BUR SUN RES 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductor
- Class C stranding
- E-1 or E-2 color code
- Insulated ground conductor

Options (con't):
- Flame-retardant Ethylene Propylene Rubber (EPR) insulation
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial
- In wet or dry locations
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type TC Cables

Features:
- Rated at 90°C wet or dry
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent resistance to crush, compression cuts, and heat deformation
- Excellent flame resistance
- Excellent low temperature cold bend characteristics

Features (con't):
- "Heavy duty" rating per ICEA standards
- Sunlight- and weather-resistant
- Oil-resistant
- Meets cold bend test at -35°C

Compliances:
- UL 44 Type XHHW-2, VW-1
- UL 1277 Type TC, 600V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	NO. OF COND	COND. (AWG/kcmil) SIZE	COND. STRAND	GROUND WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
8 AWG - 500 kcmil CONDUCTORS														
282580	3	8	7/.0486	10	0.045	1.14	0.060	1.52	0.660	16.76	190	283	223	332
282590	4	8	7/.0486	10	0.045	1.14	0.060	1.52	0.725	18.42	242	360	421	627
282600	3	6	7/.0612	8	0.045	1.14	0.060	1.52	0.745	18.92	301	448	481	716
282610	4	6	7/.0612	8	0.045	1.14	0.060	1.52	0.820	20.83	384	571	600	893
282620	3	4	7/.0772	8	0.045	1.14	0.080	2.03	0.890	22.61	448	667	702	1045
224330	4	4	7/.0772	8	0.045	1.14	0.080	2.03	0.975	24.77	578	861	882	1313
282640	3	2	7/.0974	6	0.045	1.14	0.080	2.03	1.020	25.91	716	1066	1024	1524
224360	4	2	7/.0974	6	0.045	1.14	0.080	2.03	1.120	28.45	919	1368	1295	1927
241490	3	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.240	31.50	1081	1609	1505	2240
338860	4	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.370	34.80	1413	2103	1924	2863
226900	3	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.340	34.04	1341	1996	1810	2694
338870	4	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.480	37.59	1760	2619	2326	3462
241500	3	4/0	19/.1055	4	0.055	1.40	0.080	2.03	1.575	40.01	2132	3173	2725	4055
338880	4	4/0	19/.1055	4	0.055	1.40	0.110	2.79	1.805	45.85	2796	4161	3622	5390
338890	3	250	37/.0822	4	0.065	1.65	0.110	2.79	1.780	45.21	2494	3712	3293	4901
338900	4	250	37/.0822	4	0.065	1.65	0.110	2.79	1.970	50.04	3282	4884	4239	6308
250570	3	350	37/.0973	3	0.065	1.65	0.110	2.79	2.010	51.05	3477	5174	4423	6582
338910	4	350	37/.0973	3	0.065	1.65	0.110	2.79	2.225	56.52	4577	6811	5716	8507
241480	3	500	37/.1162	2	0.065	1.65	0.110	2.79	2.305	58.55	4938	7349	6097	9074
338920	4	500	37/.1162	2	0.065	1.65	0.110	2.79	2.555	64.90	6509	9647	7905	11764

Dimensions and weights are nominal, subject to industry tolerance.

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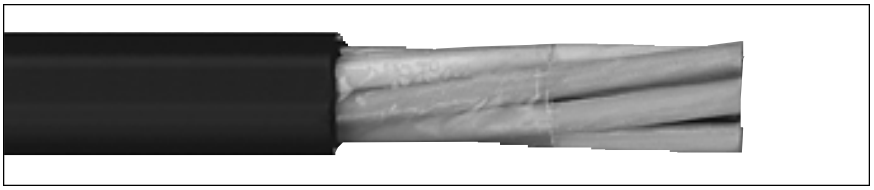
UL LISTED BICC BRAND

EHTC™ Control, Unshielded, EPR/HYP

600V, UL Type TC



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
18 AWG CONDUCTORS													
343330	2	18	7/.0152	0.025	0.64	0.045	1.14	0.295	7.49	12.49	18.58	45	67
343340	3	18	7/.0152	0.025	0.64	0.045	1.14	0.310	7.88	15.33	22.81	55	82
343350	4	18	7/.0152	0.025	0.64	0.045	1.14	0.340	8.64	20.44	30.41	67	100
343360	5	18	7/.0152	0.025	0.64	0.045	1.14	0.365	9.27	25.56	38.03	79	118
343370	7	18	7/.0152	0.025	0.64	0.045	1.14	0.395	10.03	35.67	53.08	97	144
343380	9	18	7/.0152	0.025	0.64	0.045	1.14	0.455	11.56	46.08	68.58	123	183
343390	10	18	7/.0152	0.025	0.64	0.045	1.14	0.485	12.32	51.10	76.05	137	204
343400	12	18	7/.0152	0.025	0.64	0.045	1.14	0.510	12.95	61.32	91.26	153	228
343410	15	18	7/.0152	0.025	0.64	0.060	1.52	0.580	14.73	76.65	114.07	202	301
343420	19	18	7/.0152	0.025	0.64	0.060	1.52	0.625	15.88	97.00	144.36	243	362
343430	25	18	7/.0152	0.025	0.64	0.060	1.52	0.720	18.29	128.00	190.49	319	475
343440	30	18	7/.0152	0.025	0.64	0.060	1.52	0.770	19.56	153.61	228.60	366	545
343450	37	18	7/.0152	0.025	0.64	0.060	1.52	0.830	21.08	189.00	281.27	437	650
16 AWG CONDUCTORS													
343460	2	16	7/.0192	0.025	0.64	0.045	1.14	0.320	8.13	19.75	29.39	55	82
343470	3	16	7/.0192	0.025	0.64	0.045	1.14	0.340	8.67	24.17	35.97	69	103
343480	4	16	7/.0192	0.025	0.64	0.045	1.14	0.365	9.27	32.33	47.96	85	126
343490	5	16	7/.0192	0.025	0.64	0.045	1.14	0.400	10.20	40.29	59.96	102	152
343500	7	16	7/.0192	0.025	0.64	0.045	1.14	0.430	10.90	56.25	83.71	127	189
343510	9	16	7/.0192	0.025	0.64	0.045	1.14	0.500	12.70	72.36	107.69	162	241
343520	10	16	7/.0192	0.025	0.64	0.060	1.52	0.565	14.40	80.00	119.06	197	293
343530	12	16	7/.0192	0.025	0.64	0.060	1.52	0.590	14.97	96.69	143.89	221	329
343540	15	16	7/.0192	0.025	0.64	0.060	1.52	0.640	16.26	121.00	180.07	270	402
343550	19	16	7/.0192	0.025	0.64	0.060	1.52	0.690	17.53	153.00	227.69	327	487
343560	25	16	7/.0192	0.025	0.64	0.060	1.52	0.795	20.19	201.00	299.13	424	631
343570	30	16	7/.0192	0.025	0.64	0.080	2.03	0.890	22.61	242.00	360.14	525	781
343580	37	16	7/.0192	0.025	0.64	0.080	2.03	0.955	24.26	298.00	443.48	628	935

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 18 thru 16 AWG tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color code: per ICEA Method 1; Table E-2 (does not include white or green)

Jacket:
- Low-lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print
- GENERAL CABLE® BICC® BRAND (WC) EHTC XX/C XXAWG EPR/HYP UL TYPE TC 90˚ WET OR DRY CDRS BUR SUN RES 600V, MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductors
- Insulated or uninsulated ground conductors
- Copper tape shield or aluminum/polymer tape shield with tinned copper drain wire over cable core
- Duralox® aluminum interlocked armor
- Table E-1 color code
- Flame-retardant Polyvinyl Chloride (PVC) jacket
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:
- In free air, raceways or direct burial
- In wet or dry locations
- At temperature as low as -35˚C
- In accordance with NEC Article 340
- In Class I Division 2 industrial hazardous locations per NEC Article 501-4 (b) for UL Type TC cables

Features:
- Rated at 90˚C wet or dry
- Excellent electrical, thermal and mechanical properties
- Excellent moisture resistance
- Excellent resistance to crush, compression cuts and heat deformation
- Excellent flame resistance
- Excellent low temperature cold bend characteristics
- Good abrasion resistance
- Low moisture absorption characteristics
- "Heavy duty" rated per ICEA standards
- Meets cold bend test at -35˚C

Compliances:
- UL Type XHHW-2, VW-1, 600V
- UL Type TC - 600V
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-68-516/NEMA WC8)
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, part 261 for leachable lead content per TCLP method
- OSHA Acceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels

BICC BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

EHTC™ Control, Unshielded, EPR/HYP

600V, UL Type TC

Product Construction

Conductor:

- 14 thru 10 AWG tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color code: per ICEA Method 1; Table E-2 (does not include white or green)

Jacket:

- Low-lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print

- GENERAL CABLE® BICC® BRAND (WC) EHTC XX/C XXAWG EPR/HYP UL TYPE TC XHHW-2 CDRS BUR SUN RES 600V, MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Bare copper conductors
- Insulated or uninsulated ground conductors
- Copper tape shield or aluminum/polymer tape shield with tinned copper drain wire over cable core
- Duralox® aluminum interlocked armor
- Table E-1 color code
- Flame-retardant Polyvinyl Chloride (PVC) jacket
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:

- In free air, raceways or direct burial
- In wet or dry locations
- At temperature as low as -35˚C
- In accordance with NEC Article 340
- In Class I Division 2 industrial hazardous locations per NEC Article 501-4 (b) for UL Type TC cables

Features:

- Rated at 90˚C wet or dry
- Excellent electrical, thermal and mechanical properties
- Excellent moisture resistance
- Excellent resistance to crush, compression cuts and heat deformation
- Excellent flame resistance
- Excellent low temperature cold bend characteristics
- Good abrasion resistance
- Low moisture absorption characteristics
- "Heavy duty" rated per ICEA standards
- Meets cold bend test at -35˚C

Compliances:

- UL Type XHHW-2, VW-1, 600V
- UL Type TC - 600V
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-68-516/NEMA WC8)
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, part 261 for leachable lead content per TCLP method
- OSHA Acceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
262130	2 Flat	14	7/.0242	0.030	0.76	0.045	1.14	0.260 x 0.400	6.60 x 10.16	25.79	38.38	64	95
343590	2	14	7/.0242	0.030	0.76	0.045	1.14	0.370	9.40	31.00	46.13	76	113
262140	3	14	7/.0242	0.030	0.76	0.045	1.14	0.390	9.91	39.47	58.74	97	144
248240	4	14	7/.0242	0.030	0.76	0.045	1.14	0.425	10.80	52.63	78.32	120	179
262150	5	14	7/.0242	0.030	0.76	0.045	1.14	0.465	11.81	65.79	97.91	145	216
262160	7	14	7/.0242	0.030	0.76	0.045	1.14	0.505	12.83	92.10	137.06	183	272
343600	9	14	7/.0242	0.030	0.76	0.060	1.52	0.620	15.75	118.42	176.23	254	378
248290	12	14	7/.0242	0.030	0.76	0.060	1.52	0.700	17.78	157.90	234.99	323	481
343630	19	14	7/.0242	0.030	0.76	0.060	1.52	0.815	20.71	249.74	371.66	477	710
262190	25	14	7/.0242	0.030	0.76	0.080	2.03	0.985	25.02	329.95	490.97	663	987
343640	30	14	7/.0242	0.030	0.76	0.080	2.03	1.050	26.70	388.62	578.67	766	1140
343650	37	14	7/.0242	0.030	0.76	0.080	2.03	1.130	28.71	486.58	724.13	919	1368
12 AWG CONDUCTORS													
343660	2 Flat	12	7/.0305	0.030	0.76	0.045	1.14	0.270 x 0.430	6.86 x 10.92	41.66	61.99	88	131
343670	2	12	7/.0305	0.030	0.76	0.045	1.14	0.410	10.41	51.12	76.07	99	147
343680	3	12	7/.0305	0.030	0.76	0.045	1.14	0.435	11.05	63.75	94.87	129	192
343690	4	12	7/.0305	0.030	0.76	0.045	1.14	0.475	12.07	85.00	126.50	163	243
262200	5	12	7/.0305	0.030	0.76	0.045	1.14	0.520	13.21	106.25	158.12	198	295
343700	7	12	7/.0305	0.030	0.76	0.060	1.52	0.595	15.11	148.76	221.38	269	400
343710	9	12	7/.0305	0.030	0.76	0.060	1.52	0.695	17.65	191.25	284.62	351	522
343730	12	12	7/.0305	0.030	0.76	0.060	1.52	0.780	19.81	255.00	380.24	443	659
343750	19	12	7/.0305	0.030	0.76	0.080	2.03	0.955	24.26	403.34	600.25	703	1046
343760	25	12	7/.0305	0.030	0.76	0.080	2.03	1.095	27.81	515.10	766.52	914	1360
343770	30	12	7/.0305	0.030	0.76	0.080	2.03	1.175	29.84	618.12	919.82	1061	1579
343780	37	12	7/.0305	0.030	0.76	0.080	2.03	1.265	32.13	785.86	1169.44	1280	1905
10 AWG CONDUCTORS													
343790	2 Flat	10	7/.0385	0.030	0.76	0.045	1.14	0.290 x 0.480	7.37 x 12.19	32.13	47.82	117	174
343800	2	10	7/.0385	0.030	0.76	0.045	1.14	0.455	11.6	80.24	119.41	134	199
343810	3	10	7/.0385	0.030	0.76	0.045	1.14	0.485	12.3	100.46	149.50	178	265
264990	4	10	7/.0385	0.030	0.76	0.060	1.52	0.560	14.2	133.95	199.34	243	362
343820	5	10	7/.0385	0.030	0.76	0.060	1.52	0.615	15.6	167.44	249.18	295	439
343830	7	10	7/.0385	0.030	0.76	0.060	1.52	0.670	17.0	234.42	348.86	382	568
343840	9	10	7/.0385	0.030	0.76	0.060	1.52	0.785	19.9	295.49	439.72	492	732
343860	12	10	7/.0385	0.030	0.76	0.080	2.03	0.920	23.4	401.86	598.01	662	985

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

EHTC™ Low-Voltage Power, Unshielded, EPR/HYP

600V, UL Type TC

Product Construction

Conductors:
- 8 AWG thru 500 kcmil tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color code: per ICEA Method 4; Individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- Uninsulated bare annealed copper per ASTM B3
- Class B stranding per ASTM B8.

Jacket:
- Low-Lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print:
- GENERAL CABLE® BICC® BRAND (WC) EHTC XX/C XXAWG EPR/HYP (UL)TYPE TC XHHW-2 CDRS DIR BUR SUN RES 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductors
- Insulated ground conductor
- Cross-Linked Polyethylene (XLPE) insulation
- Flame-retardant Polyvinyl Chloride (PVC) jacket
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- Class C stranding
- E-1 or E-2 color code
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial
- In wet or dry locations
- In accordance with NEC Article 340
- In Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type TC cables

Features:
- Rated at 90°C Wet or Dry
- UL 44 Type XHHW-2, VW-1, 600V
- Excellent electrical, thermal and physical properties

Features (con't):
- Excellent resistance to moisture
- Excellent resistance to crush, compression cuts, and heat deformation
- Excellent flame resistance
- "Heavy duty" rated per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35°C

Compliances:
- ICEA S-95-658/NEMA WC70 (formerly ICEA S-68-516/NEMA WC8)
- IEEE 1202 (70,000 (BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	COND. STRAND	GRND. WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
8 AWG - 500 KCMIL CONDUCTORS														
261000	3	8	7/.0486	10	0.045	1.14	0.060	1.52	0.660	16.76	190	283	344	512
338670	4	8	7/.0486	10	0.045	1.14	0.060	1.52	0.725	18.42	242	360	427	635
261020	3	6	7/.0612	8	0.045	1.14	0.060	1.52	0.745	18.92	301	448	487	725
338680	4	6	7/.0612	8	0.045	1.14	0.060	1.52	0.820	20.83	384	571	608	905
261010	3	4	7/.0772	8	0.045	1.14	0.080	2.03	0.890	22.61	448	667	709	1055
338690	4	4	7/.0772	8	0.045	1.14	0.080	2.03	0.975	24.77	578	860	891	1326
338700	3	2	7/.0974	6	0.045	1.14	0.080	2.03	1.020	25.91	716	1066	1033	1537
338710	4	2	7/.0974	6	0.045	1.14	0.080	2.03	1.120	28.45	919	1368	1307	1945
338720	3	1/0	19/.0740	6	0.055	1.40	0.080	2.03	1.240	31.50	1081	1609	1517	2258
338730	4	1/0	19/.0740	6	0.055	1.40	0.080	2.03	1.370	34.80	1413	2103	1940	2887
338740	3	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.340	34.04	1341	1996	1826	2717
338750	4	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.480	37.59	1760	2619	2346	3491
338760	3	4/0	19/.1055	4	0.055	1.40	0.080	2.03	1.575	40.01	2132	3173	2746	4087
338770	4	4/0	19/.1055	4	0.055	1.40	0.110	2.79	1.805	45.85	2796	4161	3651	5433
338780	3	250	37/.0822	4	0.065	1.65	0.110	2.79	1.780	45.21	2494	3712	3318	4938
338790	4	250	37/.0822	4	0.065	1.65	0.110	2.79	1.970	50.04	3282	4884	4271	6356
338800	3	350	37/.0973	3	0.065	1.65	0.110	2.79	2.010	51.05	3474	5170	4454	6628
338810	4	350	37/.0973	3	0.065	1.65	0.110	2.79	2.225	56.52	4577	6811	5757	8568
338820	3	500	37/.1162	2	0.065	1.65	0.110	2.79	2.305	58.55	4938	7349	6134	9129
338830	4	500	37/.1162	2	0.065	1.65	0.110	2.79	2.555	64.90	6509	9687	7954	11837

Dimensions and weights are nominal, subject to industry tolerance.

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

FREP® Control, Unshielded, EPR/CPE

600V, UL Type TC

Product Construction

Conductor:

- 14 thru 10 AWG fully annealed stranded tinned copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color code: per ICEA Method 1; Table E-2 (Does not include white or green)

Jacket:

- Flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Print

- GENERAL CABLE® BICC® BRAND (WC) FREP XX/C XXAWG EPR/CPE (UL) TYPE TC XHHW-2 CDRS 90°C WET OR DRY 600V DIR BUR SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Bare copper conductor
- Class C stranding
- E-1 color code
- Cross-Linked Polyethene (XLPE) insulation
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:

- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 725 for TypeTC cables

Features:

- Rated at 90°C wet or dry
- Excellent electrical, thermal and physical properties
- Sunlight- and weather-resistant
- Excellent moisture resistance
- Excellent resistance to compression cuts
- Low coefficient of friction for easy pulling
- Excellent flame resistance - burns to ash; does not exhibit thermoplastic drip
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35°C

Compliances:

- UL Type TC 600V
- UL Type XHHW-2, VW-1 conductors
- ICEA S-95-658/NEMA WC70 (Formerly - ICEA S-68-516/NEMA WC8)
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
279560	2 Flat	14	7/.0242	0.030	0.76	0.045	1.14	.365x.230	9.3x5.8	25.79	38.38	61	91
305320	2	14	7/.0242	0.030	0.76	0.045	1.14	0.370	9.40	26.31	39.15	71	106
280180	3	14	7/.0242	0.030	0.76	0.045	1.14	0.390	9.91	39.47	58.74	92	137
280190	4	14	7/.0242	0.030	0.76	0.045	1.14	0.425	10.80	52.63	78.32	115	171
279870	5	14	7/.0242	0.030	0.76	0.045	1.14	0.465	11.81	65.79	97.91	139	207
280200	7	14	7/.0242	0.030	0.76	0.045	1.14	0.505	12.83	92.10	137.06	183	272
280210	9	14	7/.0242	0.030	0.76	0.060	1.52	0.620	15.75	118.42	176.23	250	372
279880	12	14	7/.0242	0.030	0.76	0.060	1.52	0.700	17.78	157.90	234.99	317	472
279580	19	14	7/.0242	0.030	0.76	0.060	1.52	0.815	20.70	249.74	371.66	468	696
279590	25	14	7/.0242	0.030	0.76	0.080	2.03	0.985	25.02	323.00	480.69	645	960
347080	30	14	7/.0242	0.030	0.76	0.080	2.03	1.050	26.67	387.00	575.93	747	1112
279600	37	14	7/.0242	0.030	0.76	0.080	2.03	1.130	28.70	478.00	711.36	897	1335
12 AWG CONDUCTORS													
279840	2 Flat	12	7/.0305	0.030	0.76	0.045	1.14	.400x.245	10.2x6.2	41.66	61.99	82	122
305350	2	12	7/.0305	0.030	0.76	0.045	1.14	0.410	10.41	51.12	76.07	94	140
280300	3	12	7/.0305	0.030	0.76	0.045	1.14	0.435	11.05	63.75	94.87	124	185
280310	4	12	7/.0305	0.030	0.76	0.045	1.14	0.475	12.07	85.00	126.50	157	234
280320	5	12	7/.0305	0.030	0.76	0.045	1.14	0.520	13.21	106.25	158.12	191	284
279890	7	12	7/.0305	0.030	0.76	0.060	1.52	0.595	15.11	148.76	221.38	268	399
280330	9	12	7/.0305	0.030	0.76	0.060	1.52	0.695	17.65	191.25	284.62	347	516
280340	12	12	7/.0305	0.030	0.76	0.060	1.52	0.780	19.81	255.00	380.24	437	650
279610	19	12	7/.0305	0.030	0.76	0.080	2.03	0.955	24.26	403.35	600.23	688	1024
347090	25	12	7/.0305	0.030	0.76	0.080	2.03	1.095	27.81	515.10	766.52	894	1330
347100	30	12	7/.0305	0.030	0.76	0.080	2.03	1.175	29.85	618.12	919.82	1040	1548
301870	37	12	7/.0305	0.030	0.76	0.080	2.03	1.265	32.13	785.86	1169.44	1256	1869
10 AWG CONDUCTORS													
279570	2 Flat	10	7/.0385	0.030	0.76	0.045	1.14	.445x.270	11.3x6.9	65.66	97.72	113	168
305340	2	10	7/.0385	0.030	0.76	0.045	1.14	0.455	11.56	80.24	119.41	128	190
280410	3	10	7/.0385	0.030	0.76	0.045	1.14	0.485	12.32	100.46	149.50	172	256
279900	4	10	7/.0385	0.030	0.76	0.060	1.52	0.560	14.22	133.95	199.34	234	348
279620	5	10	7/.0385	0.030	0.76	0.060	1.52	0.615	15.62	167.44	249.18	284	423
279630	7	10	7/.0385	0.030	0.76	0.060	1.52	0.670	17.02	234.42	348.86	381	567
279640	9	10	7/.0385	0.030	0.76	0.060	1.52	0.785	19.94	295.49	439.72	488	726
279650	12	10	7/.0385	0.030	0.76	0.080	2.03	0.920	23.37	401.86	598.01	651	969

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

FREP® Low-Voltage Power, Unshielded, EPR/CPE

600V, UL Type TC

Product Construction

Conductor:
- 8 AWG thru 750 kcmil tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color code: per ICEA Method 4; Individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- Uninsulated tinned annealed copper per ASTM B3
- Class B stranding per ASTMB8

Jacket:
- Flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Print:
- GENERAL CABLE® BICC® BRAND (WC) OR (MI) FREP XX/C XXAWG EPR/CPE (UL) TYPE TC

Print (con't):
XHHW-2 CDRS 90˚C WET OR DRY 600V DIR BUR SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductor
- Class C stranding
- E-1 or E-2 color code
- Insulated ground conductors
- 5 mil tinned copper tape shield with 25% overlap
- Cross-Linked Polyethylene (XLPE) insulation
- FREP-XL flame-retardant, thermoset Chlorinated Polyethylene (XL-CPE) jacket
- FREP II flame-retardant, thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- FREP II-XL flame-retardant, thermoset, Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial
- In wet or dry locations
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type TC cables

Features:
- Rated at 90˚C wet or dry
- Excellent moisture resistance
- Excellent resistance to crush, compression cuts, and heat deformation
- Excellent low temperature cold bend characteristics
- Excellent flame resistance - burns to ash; does not exhibit thermoplastic drip
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Meets cold bend test at -35˚C

Compliances:
- UL 44 Type XHHW-2, VW-1,600V
- UL 1277 Type TC, 600V
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-68-516/NEMA WC8)
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	NO. OF COND	COND. (AWG/kcmil) SIZE	COND. STRAND	GROUND WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
8 AWG - 750 kcmil CONDUCTORS														
279660	3	8	7/.0486	10	0.045	1.14	0.060	1.52	0.657	16.69	190	283	359	534
279670	4	8	7/.0486	10	0.045	1.14	0.060	1.52	0.719	18.26	242	360	439	653
283210	3	6	7/.0612	8	0.045	1.14	0.060	1.52	0.739	18.77	297	442	513	763
300380	4	6	7/.0612	8	0.045	1.14	0.060	1.52	0.811	20.60	384	571	627	933
283200	3	4	7/.0772	8	0.045	1.14	0.080	2.03	0.880	22.35	442	658	721	1073
346950	4	4	7/.0772	8	0.045	1.14	0.080	2.03	0.965	24.51	578	861	897	1335
293600	3	2	7/.0974	6	0.045	1.14	0.080	2.03	1.009	25.63	703	1046	1063	1582
295890	4	2	7/.0974	6	0.045	1.14	0.080	2.03	1.109	28.17	919	1368	1324	1970
283220	3	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.226	31.14	1069	1591	1528	2274
346960	4	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.342	34.09	1413	2103	1934	2878
284560	3	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.323	33.60	1327	1975	1830	2723
346970	4	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.461	37.11	1760	2619	2332	3470
325110	3	4/0	19/.1055	4	0.055	1.40	0.080	2.03	1.554	39.47	2110	3140	2768	4119
346980	4	4/0	19/.1055	4	0.055	1.40	0.110	2.79	1.790	45.47	2796	4161	3630	5402
300780	3	250	37/.0822	4	0.065	1.65	0.110	2.79	1.778	45.16	2469	3674	3296	4905
346990	4	250	37/.0822	4	0.065	1.65	0.110	2.79	1.963	49.86	3282	4884	4210	6265
325120	3	350	37/.0973	3	0.065	1.65	0.110	2.79	2.002	50.85	3440	5119	3643	5422
347000	4	350	37/.0973	3	0.065	1.65	0.110	2.79	2.213	56.21	4577	6811	4743	7059
298020	3	500	37/.1162	2	0.065	1.65	0.110	2.79	2.289	58.14	4885	7270	6116	9102
14407.546500	4	500	37/.1162	2	0.065	1.65	0.110	2.79	2.535	64.39	6509	9687	7881	11729
14407.247000	3	750	61/.1109	1	0.080	2.03	0.140	3.56	2.812	71.42	7278	10831	9101	13544
14407.547000	4	750	61/.1109	1	0.080	2.03	0.140	3.56	3.113	79.07	9712	14453	11746	17480

Dimensions and weights are nominal, subject to industry tolerance.

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

Arctic-Flex™ Control, Unshielded, XLPE/ARCTIC-PVC

600V, UL Type TC, CSA Type RW90, XLPE, TC Rated

Product Construction

Conductor:

- 14 AWG thru 10 AWG tinned, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE) Color Coded Per CSA Standard C22.2 No. 38 as follows:

Number of color coding of circuit conductors

No. of Cond.	Color Code
2	blk, wht
3	blk, red, blu
4	blk, red, blu, wht
≥5	all black

All conductors for all constructions are alpha numeric printed

Jacket:

- Flame-retardant and sunlight-resistant Arctic-Grade Polyvinyl Chloride (PVC)

Print:

- GENERAL CABLE® BICC® BRAND (WC) (UL) TYPE TC ARCTIC-FLEX XX/C XXAWG FR-XLP/PVC XHHW-2 CDRS 90C WET OR DRY SUN RES DIR BUR 600V - CSA TYPE RW90 XLPE -40C TC OIL RES DIR BUR FT-4 600V PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Bare copper, class C stranding
- Uninsulated ground (bonding) conductor
- Optional color code as specified per CSA standard C22.2 No. 38 for two to four conductor cable
- 1000 volt rated CSA Type RW90, XLPE, TC rated
- Other constructions available upon request

Applications:

- Industrial lighting, control, and signaling circuits
- Approved for direct burial, class I, Div. 2 industrial hazardous locations per NEC article 501-4(b) for UL Type TC cables
- Approved for cable in tray, industrial hazardous locations, Class I, Zone 2, and Class II, Division 2 per CEC rules 18-156 and 18-252

Features:

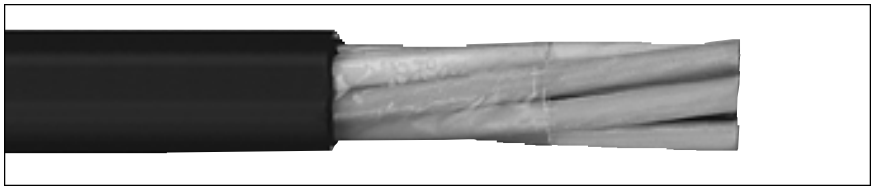
- Rated 90˚C wet or dry
- Meets CSA cold impact test at -40˚C
- Meets ICEA and CSA cold bend test at -65˚C

Compliances:

- Rated Type TC UL and CSA
- UL Subject 1277 Type TC
- UL Subject 44 Type XHHW-2 Conductors
- CSA Standard C22.2 No. 230 Type TC
- CSA Standard C22.2 No. 38 Type RW90
- CSA Standard C22.2 No. 0.3 (70,000 BTU/hr) FT-4 Flame Test
- IEEE 383 (70,000 BTU/hr) Tray Flame Test
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to lengths and shipped on non-returnable wood reels



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
347340	2	14	7/.0242	0.030	0.76	0.045	1.14	0.370	9.40	31.00	46.13	71	106
347350	3	14	7/.0242	0.030	0.76	0.045	1.14	0.390	9.91	39.78	59.20	90	134
347360	4	14	7/.0242	0.030	0.76	0.045	1.14	0.425	10.80	53.04	78.93	113	168
347370	5	14	7/.0242	0.030	0.76	0.045	1.14	0.465	11.81	66.30	98.80	204	304
347380	7	14	7/.0242	0.030	0.76	0.045	1.14	0.505	12.83	92.56	137.74	257	382
347390	9	14	7/.0242	0.030	0.76	0.060	1.52	0.620	15.75	119.08	177.21	361	537
347400	12	14	7/.0242	0.030	0.76	0.060	1.52	0.700	17.78	159.12	236.80	459	683
347410	19	14	7/.0242	0.030	0.76	0.060	1.52	0.815	20.70	251.95	374.95	879	1010
347420	25	14	7/.0242	0.030	0.76	0.060	1.52	0.985	25.02	329.95	490.97	950	1414
347430	30	14	7/.0242	0.030	0.76	0.080	2.03	1.050	26.67	388.62	578.62	1101	1638
347440	37	14	7/.0242	0.030	0.76	0.080	2.03	1.130	28.70	486.54	724.02	1322	1967
12 AWG CONDUCTORS													
347450	2	12	7/.0305	0.030	0.76	0.045	1.14	0.410	10.41	51.12	76.07	139	207
347460	3	12	7/.0305	0.030	0.76	0.045	1.14	0.435	11.05	64.59	96.12	180	268
347470	4	12	7/.0305	0.030	0.76	0.045	1.14	0.475	12.07	86.12	128.16	227	338
347480	5	12	7/.0305	0.030	0.76	0.045	1.14	0.520	13.21	107.66	160.22	278	414
347490	7	12	7/.0305	0.030	0.76	0.060	1.52	0.595	15.11	150.30	223.68	379	564
347500	9	12	7/.0305	0.030	0.76	0.060	1.52	0.695	17.65	193.37	287.77	501	746
347510	12	12	7/.0305	0.030	0.76	0.060	1.52	0.780	19.81	258.38	384.52	632	940
347520	19	12	7/.0305	0.030	0.76	0.080	2.03	0.955	24.26	403.35	600.23	1014	1509
347530	25	12	7/.0305	0.030	0.76	0.080	2.03	1.095	27.81	515.10	766.52	1312	1960
347540	30	12	7/.0305	0.030	0.76	0.080	2.03	1.175	29.85	618.12	919.82	1533	2281
347550	37	12	7/.0305	0.030	0.76	0.080	2.03	1.265	32.13	785.86	1169.44	1850	2753
10 AWG CONDUCTORS													
347560	2	10	7/.0385	0.030	0.76	0.045	1.14	0.455	11.56	80.24	119.41	78	116
347570	3	10	7/.0385	0.030	0.76	0.045	1.14	0.485	12.32	100.98	150.28	168	250
347580	4	10	7/.0385	0.030	0.76	0.060	1.52	0.560	14.22	134.68	200.43	229	341
347590	5	10	7/.0385	0.030	0.76	0.060	1.52	0.615	15.62	167.44	249.17	281	418
347600	7	10	7/.0385	0.030	0.76	0.060	1.52	0.670	17.02	234.42	348.84	377	561
347610	9	10	7/.0385	0.030	0.76	0.060	1.52	0.785	19.94	295.49	439.72	719	1070
347620	12	10	7/.0385	0.030	0.76	0.080	2.03	0.920	23.37	401.86	598.01	959	1427

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

Arctic-Flex™ Low-Voltage Power, Unshielded, XLPE/ARCTIC-PVC

600V, UL Type TC, CSA Type RW90, XLPE, TC Rated

Product Construction

Conductor:

- 8 AWG thru 500 kcmil bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE) Color Coded Per CSA Standard C22.2 No. 38 as follows:

Number of color coding of circuit conductors

No. of Cond.	Color Code
2	blk, wht
3	blk, red, blu
4	blk, red, blu, wht
≥5	all black

All conductors for all constructions are alpha-numeric printed

Ground:

- Uninsulated bare annealed copper per ASTM B3
- Class B stranding per ASTMB8

Jacket:

- Flame-retardant and sunlight-resistant Arctic-Grade Polyvinyl Chloride (PVC)

Print:

- GENERAL CABLE® BICC® BRAND (WC) (UL) TYPE TC ARCTIC-FLEX XX/C XXAWG FR-XLP/PVC XHHW-2 CDRS 90C WET OR DRY SUN RES DIR BUR 600V - CSA TYPE RW90 XLPE -40C TC OIL RES DIR BUR FT-4 600V PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Bare copper
- Class C stranding
- Uninsulated ground (bonding) conductor
- Optional color code as specified per CSA standard C22.2 No. 38 for two to four conductor cable
- 1000 volt CSA Type RW90, XLPE, TC rated
- Other constructions are available upon request

Applications:

- Industrial power and control circuits
- Approved for direct burial, class I, Div. 2 industrial hazardous locations per NEC article 501-4(b) for UL Type TC cables
- Approved for cable in tray, industrial hazardous locations, Class I, Zone 2, and Class II, Division 2 per CEC rules 18-156 and 18-252

Features:

- Rated 90˚C wet or dry
- Meets CSA cold impact test at -40˚C
- Meets ICEA and CSA cold bend test at -65˚C

Compliances:

- Rated Type TC UL and CSA
- UL Subject 1277 Type TC
- UL Subject 44 Type XHHW-2 Conductors
- CSA Standard C22.2 No. 230 Type TC
- CSA Standard C22.2 No. 38 Type RW90 (XLPE)
- CSA Standard C22.2 No. 0.3 (70,000 BTU/hr) FT-4
- IEEE 383 (70,000 BTU/hr) Tray Flame Test
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to lengths and shipped on non-returnable wood reels

CATALOG NUMBER	NO. OF COND	COND. (AWG/kcmil) SIZE	COND. STRAND	GROUND WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft)	kg/ km	lbs 1000ft	kg/ km
8 AWG - 750 kcmil CONDUCTORS														
347150	3	8	7/.0486	10	0.045	1.14	0.060	1.52	0.660	16.76	190	283	332	494
347160	4	8	7/.0486	10	0.045	1.14	0.060	1.52	0.725	18.42	242	360	412	613
347170	3	6	7/.0612	8	0.045	1.14	0.060	1.52	0.745	18.92	301	448	471	701
347180	4	6	7/.0612	8	0.045	1.14	0.060	1.52	0.820	20.83	384	571	588	875
347190	3	4	7/.0772	8	0.045	1.14	0.080	2.03	0.890	22.61	448	667	660	982
347200	4	4	7/.0772	8	0.045	1.14	0.080	2.03	0.975	24.77	578	862	863	1284
347210	3	2	7/.0974	6	0.045	1.14	0.080	2.03	1.020	25.91	716	1066	1004	1494
347220	4	2	7/.0974	6	0.045	1.14	0.080	2.03	1.120	28.45	919	1368	1271	1891
347230	3	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.240	31.50	1081	1609	1478	2199
347240	4	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.370	34.80	1413	2103	1891	2814
347250	3	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.340	34.04	1341	1996	1779	2647
347260	4	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.480	37.59	1760	2619	2288	3404
347270	3	4/0	19/.1055	4	0.055	1.40	0.080	2.03	1.575	40.01	2132	3173	2682	3991
347280	4	4/0	19/.1055	4	0.055	1.40	0.110	2.79	1.805	45.85	2796	4161	3562	5301
347290	3	250	37/.0822	4	0.065	1.65	0.110	2.79	1.780	45.21	2494	3712	3254	4842
347300	4	250	37/.0822	4	0.065	1.65	0.110	2.79	1.970	50.04	3282	4884	4192	6238
347310	3	350	37/.0973	3	0.065	1.65	0.110	2.79	2.010	51.05	3474	5170	4374	6509
347320	4	350	37/.0973	3	0.065	1.65	0.110	2.79	2.225	56.52	4577	6811	5657	8418
347330	3	500	37/.1162	2	0.065	1.65	0.110	2.79	2.305	58.55	4938	7349	6035	8981

Dimensions and weights are nominal, subject to industry tolerance.

BICC BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

CVTC™ Control, Unshielded, XLPE/PVC

600V, UL Type TC

Product Construction

Conductor:

- 14 thru 10 AWG fully annealed stranded bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color code: per ICEA Method 1; Table E-2 (Does not include white or green)

Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Print

- GENERAL CABLE® BICC® BRAND (WC) CVTC XX/C XXAWG FR-XLP/PVC (UL) TYPE XHHW-2 CDRS DIR BUR SUN RES 90°C WET OR DRY 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Tinned copper conductor
- Class C stranding
- E-1 color code
- Ethylene Propylene Rubber (EPR) insulation
- 100% Flexfoil® aluminum/polyester shield with 25% overlap
- Insulated or uninsulated ground conductor
- Other constructions available upon request

Applications:

- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 725

Features:

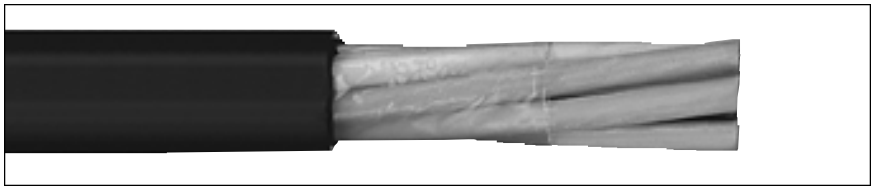
- Rated at 90°C wet or dry
- Excellent electrical properties
- Abrasion- and chemical-resistant
- Sunlight- and weather-resistant
- Meets cold bend test at -25°C

Compliances:

- UL Type TC - 600V
- UL Type XHHW-2, VW-1 conductors
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
770460	2 Flat	14	7/.0242	0.030	0.76	0.045	1.14	.260x.400	6.60x10.16	26.00	38.69	62	92
771080	2	14	7/.0242	0.030	0.76	0.045	1.14	0.370	9.40	31.00	46.13	73	109
770530	3	14	7/.0242	0.030	0.76	0.045	1.14	0.390	9.91	39.78	59.20	93	138
770610	4	14	7/.0242	0.030	0.76	0.045	1.14	0.425	10.80	53.04	78.93	116	173
770420	5	14	7/.0242	0.030	0.76	0.045	1.14	0.465	11.81	66.30	98.80	140	208
770560	7	14	7/.0242	0.030	0.76	0.045	1.14	0.505	12.83	92.56	137.74	176	262
770540	9	14	7/.0242	0.030	0.76	0.060	1.52	0.620	15.75	119.08	177.21	245	365
770470	12	14	7/.0242	0.030	0.76	0.060	1.52	0.700	17.78	159.12	236.80	312	464
770050	19	14	7/.0242	0.030	0.76	0.060	1.52	0.815	20.70	251.95	374.95	461	686
770450	25	14	7/.0242	0.030	0.76	0.080	2.03	0.985	25.02	323.00	480.69	641	954
295320	30	14	7/.0242	0.030	0.76	0.080	2.03	1.050	26.67	387.00	575.93	740	1101
770430	37	14	7/.0242	0.030	0.76	0.080	2.03	1.130	28.70	478.00	711.36	888	1322
12 AWG CONDUCTORS													
770480	2 Flat	12	7/.0305	0.030	0.76	0.045	1.14	.270x.430	6.86x10.92	42.22	62.83	86	128
346920	2	12	7/.0305	0.030	0.76	0.045	1.14	0.410	10.41	51.12	76.07	96	143
770570	3	12	7/.0305	0.030	0.76	0.045	1.14	0.435	11.05	64.59	96.12	125	186
770490	4	12	7/.0305	0.030	0.76	0.045	1.14	0.475	12.07	86.12	128.16	157	234
770410	5	12	7/.0305	0.030	0.76	0.045	1.14	0.520	13.21	107.66	160.22	191	284
770950	7	12	7/.0305	0.030	0.76	0.060	1.52	0.595	15.11	150.30	223.68	260	387
770580	9	12	7/.0305	0.030	0.76	0.060	1.52	0.695	17.65	193.37	287.77	340	506
770520	12	12	7/.0305	0.030	0.76	0.060	1.52	0.780	19.81	258.38	384.52	429	638
770700	19	12	7/.0305	0.030	0.76	0.080	2.03	0.955	24.26	403.35	600.23	681	1013
347110	25	12	7/.0305	0.030	0.76	0.080	2.03	1.095	27.81	515.10	766.52	885	1317
347120	30	12	7/.0305	0.030	0.76	0.080	2.03	1.175	29.85	618.12	919.82	1029	1531
347130	37	12	7/.0305	0.030	0.76	0.080	2.03	1.265	32.13	785.86	1169.44	1241	1847
10 AWG CONDUCTORS													
770590	2 Flat	10	7/.0385	0.030	0.76	0.045	1.14	.290x.480	7.37x12.19	66.00	98.22	114	170
346930	2	10	7/.0385	0.030	0.76	0.045	1.14	0.455	11.56	80.24	119.41	130	193
770600	3	10	7/.0385	0.030	0.76	0.045	1.14	0.485	12.32	100.98	150.28	173	257
770370	4	10	7/.0385	0.030	0.76	0.060	1.52	0.560	14.22	134.68	200.43	236	351
770380	5	10	7/.0385	0.030	0.76	0.060	1.52	0.615	15.62	167.44	249.17	287	427
770900	7	10	7/.0385	0.030	0.76	0.060	1.52	0.670	17.02	234.42	348.84	371	552
770390	9	10	7/.0385	0.030	0.76	0.060	1.52	0.785	19.94	295.49	439.72	479	713
770400	12	10	7/.0385	0.030	0.76	0.080	2.03	0.920	23.37	401.86	598.01	644	958

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

CVTC™ Low-Voltage Power, Unshielded, XLPE/PVC

600V, UL Type TC

Product Construction

Conductor:
- 8 AWG thru 750 kcmil bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color code: per ICEA Method 4; Individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- Uninsulated bare annealed copper per ASTM B3
- Class B stranding per ASTMB8

Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Print:
- GENERAL CABLE® BICC® BRAND (WC) or (MI) CVTC XX/C XXAWG FRXLP/PVC UL TYPE TC XHHW-2 CDRS 90˚C WET OR DRY 600V SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- E-1 or E-2 color code
- Insulated ground conductors
- Flame-retardant Ethylene Propylene Rubber (EPR) insulation
- 5 mil bare copper tape shield with 25% overlap
- ICEA 1000V rated cable
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial
- In wet or dry locations
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type TC cables

Features:
- Rated at 90˚C wet or dry
- Abrasion- and chemical-resistant
- Excellent electrical properties
- Sunlight- and weather-resistant
- Meets cold bend test at -25˚C

Compliances:
- UL Type XHHW-2, VW-1,600V
- UL 1277 Type TC, 600V
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-66-524/NEMA WC7)
- IEEE 1202 (70,000 BTU/hr/CSA FT4)
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	NO. OF COND	COND. (AWG/kcmil) SIZE	COND. STRAND	GROUND WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft)	kg/ km	lbs 1000ft	kg/ km
8 AWG - 750 kcmil CONDUCTORS														
783160	3	8	7/.0486	10	0.045	1.14	0.060	1.52	0.660	16.76	190	283	335	499
783190	4	8	7/.0486	10	0.045	1.14	0.060	1.52	0.725	18.42	242	360	416	619
339470	3	6	7/.0612	8	0.045	1.14	0.060	1.52	0.745	18.92	301	448	476	708
793800	4	6	7/.0612	8	0.045	1.14	0.060	1.52	0.820	20.83	384	571	594	884
783330	3	4	7/.0772	8	0.045	1.14	0.080	2.03	0.890	22.61	448	667	693	1031
339500	4	4	7/.0772	8	0.045	1.14	0.080	2.03	0.975	24.77	578	862	872	1298
339510	3	2	7/.0974	6	0.045	1.14	0.080	2.03	1.020	25.91	716	1066	1014	1509
339520	4	2	7/.0974	6	0.045	1.14	0.080	2.03	1.120	28.45	919	1368	1284	1911
783290	3	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.240	31.50	1081	1609	1493	2222
339540	4	1/0	19/.0745	6	0.055	1.40	0.080	2.03	1.370	34.80	1413	2103	1910	2842
339550	3	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.340	34.04	1341	1996	1797	2674
339560	4	2/0	19/.0837	6	0.055	1.40	0.080	2.03	1.480	37.59	1760	2619	2311	3439
783230	3	4/0	19/.1055	4	0.055	1.40	0.080	2.03	1.575	40.01	2132	3173	2709	4032
339570	4	4/0	19/.1055	4	0.055	1.40	0.110	2.79	1.805	45.85	2796	4161	3598	5355
339580	3	250	37/.0822	4	0.065	1.65	0.110	2.79	1.780	45.21	2494	3712	3270	4866
339590	4	250	37/.0822	4	0.065	1.65	0.110	2.79	1.970	50.04	3282	4884	4213	6270
222570	3	350	37/.0973	3	0.065	1.65	0.110	2.79	2.010	51.05	3474	5170	4396	6542
339600	4	350	37/.0973	3	0.065	1.65	0.110	2.79	2.225	56.52	4577	6811	5686	8462
222710	3	500	37/.1162	2	0.065	1.65	0.110	2.79	2.305	58.55	4938	7349	6065	9026
06790.086500	4	500	37/.1162	2	0.065	1.65	0.110	2.79	2.555	64.90	6509	9687	7869	11711
06790.077000	3	750	61/.1109	1	0.080	2.03	0.140	3.56	2.835	72.01	7350	10938	8831	13142
06790.047000	4	750	61/.1109	1	0.080	2.03	0.140	3.56	3.135	79.63	9712	14453	11495	17107

Dimensions and weights are nominal, subject to industry tolerance.

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
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VNTC® Control, Unshielded, PVC/Nylon/PVC

600V, UL Type TC

Product Construction

Conductor:

- 18 and 16 AWG fully annealed stranded bare copper to ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Polyvinyl Chloride (PVC) with clear polyamide (Nylon)
- Color code: per ICEA Method 1; Table E-2 (Does not include white or green)

Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Print

- GENERAL CABLE® BICC® BRAND (WC) VNTC XX/C XXAWG (UL) TYPE TC TFN SUN RES DIR BUR 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Tinned copper conductor
- Class C stranding
- E-1 color coded
- 100% Flexfoil® aluminum/polyester shield with 25% overlap
- Other constructions available upon request

Applications:

- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 725 for Type TC cables

Features:

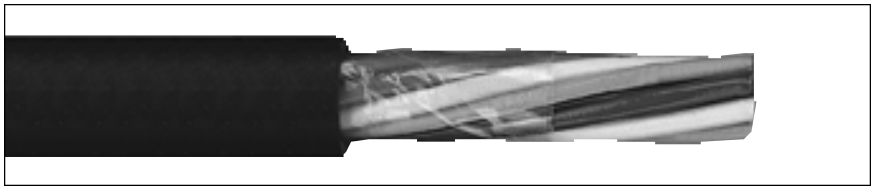
- Rated at 90˚C dry, 75˚C wet
- Provides outstanding sunlight, cold bend and cold impact resistance
- Offers the smallest cable O.D. available for suitable applications
- Provides long service life
- Provides excellent oil and chemical resistance
- Meets cold bend test at -25˚C

Compliances:

- UL Type TC - 600V
- NEC Type TFN conductors
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
18 AWG CONDUCTORS													
236090	2 Flat	18	7/.0152	0.020	0.51	0.045	1.14	.190x.285	4.8x7.2	10.00	14.88	36	54
318050	2	18	7/.0152	0.020	0.51	0.045	1.14	0.270	6.86	12.49	18.58	38	57
245950	3	18	7/.0152	0.020	0.51	0.045	1.14	0.285	7.24	15.33	22.81	46	68
236100	4	18	7/.0152	0.020	0.51	0.045	1.14	0.310	7.87	20.44	30.41	56	83
244680	5	18	7/.0152	0.020	0.51	0.045	1.14	0.335	8.51	25.56	38.03	65	97
244660	7	18	7/.0152	0.020	0.51	0.045	1.14	0.360	9.14	35.67	53.08	82	122
264570	9	18	7/.0152	0.020	0.51	0.045	1.14	0.420	10.67	46.08	68.58	105	156
233270	10	18	7/.0152	0.020	0.51	0.045	1.14	0.450	11.43	51.10	76.05	114	170
236120	12	18	7/.0152	0.020	0.51	0.045	1.14	0.460	11.68	61.32	91.26	131	195
244720	15	18	7/.0152	0.020	0.51	0.045	1.14	0.510	12.95	76.65	114.07	162	241
236130	19	18	7/.0152	0.020	0.51	0.060	1.52	0.570	14.48	97.00	144.36	209	311
236140	25	18	7/.0152	0.020	0.51	0.060	1.52	0.655	16.64	128.00	190.49	266	396
347140	30	18	7/.0152	0.020	0.51	0.060	1.52	0.695	17.65	153.61	228.60	310	461
236150	37	18	7/.0152	0.020	0.51	0.060	1.52	0.745	18.92	189.00	281.27	371	552
16 AWG CONDUCTORS													
236160	2 Flat	16	7/.0192	0.020	0.51	0.045	1.14	.200x.310	5.08x7.87	15.80	23.51	48	71
245580	2	16	7/.0192	0.020	0.51	0.045	1.14	0.300	7.62	19.75	29.39	50	74
236170	3	16	7/.0192	0.020	0.51	0.045	1.14	0.315	8.00	24.17	35.97	60	89
236180	4	16	7/.0192	0.020	0.51	0.045	1.14	0.340	8.64	32.23	47.96	74	110
236190	5	16	7/.0192	0.020	0.51	0.045	1.14	0.370	9.40	40.29	59.96	97	144
236210	7	16	7/.0192	0.020	0.51	0.045	1.14	0.400	10.16	56.25	83.71	111	165
243640	9	16	7/.0192	0.020	0.51	0.045	1.14	0.460	11.68	72.36	107.69	141	210
236230	10	16	7/.0192	0.020	0.51	0.045	1.14	0.500	12.70	80.00	119.06	154	229
236240	12	16	7/.0192	0.020	0.51	0.045	1.14	0.515	13.08	96.69	143.89	178	265
244650	15	16	7/.0192	0.020	0.51	0.060	1.52	0.605	15.37	121.00	180.07	239	356
236260	19	16	7/.0192	0.020	0.51	0.060	1.52	0.635	16.13	153.00	227.69	284	423
236280	25	16	7/.0192	0.020	0.51	0.060	1.52	0.735	18.67	201.00	299.13	364	542
244670	30	16	7/.0192	0.020	0.51	0.060	1.52	0.775	19.69	242.00	360.14	426	634
236290	37	16	7/.0192	0.020	0.51	0.080	2.03	0.880	22.35	298.00	443.48	548	816

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
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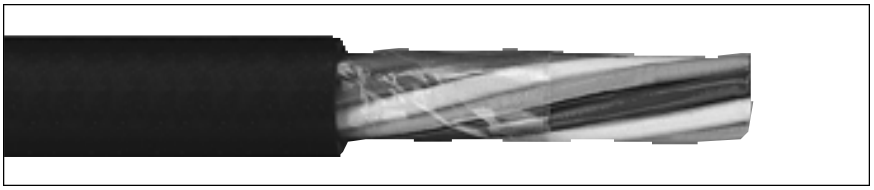
VNTC® Control, Unshielded, PVC/Nylon/PVC

600V, UL Type TC



CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
14 AWG CONDUCTORS													
235040	2 Flat	14	7/.0242	0.020	0.51	0.045	1.14	.240x.325	6.10x8.26	25.36	37.74	62	92
245590	2	14	7/.0242	0.020	0.51	0.045	1.14	0.320	8.13	31.00	46.13	64	95
235050	3	14	7/.0242	0.020	0.51	0.045	1.14	0.345	8.76	39.00	58.04	80	119
235060	4	14	7/.0242	0.020	0.51	0.045	1.14	0.375	9.53	52.00	77.39	100	149
235070	5	14	7/.0242	0.020	0.51	0.045	1.14	0.410	10.41	65.00	96.73	118	176
235080	7	14	7/.0242	0.020	0.51	0.045	1.14	0.445	11.30	90.00	133.94	153	228
235090	9	14	7/.0242	0.020	0.51	0.060	1.52	0.550	13.97	116.00	172.63	213	317
235110	12	14	7/.0242	0.020	0.51	0.060	1.52	0.610	15.49	155.00	230.67	267	397
235130	19	14	7/.0242	0.020	0.51	0.080	2.03	0.710	18.03	245.00	364.61	396	589
235150	25	14	7/.0242	0.020	0.51	0.080	2.03	0.870	22.10	323.00	480.69	548	816
235160	30	14	7/.0242	0.020	0.51	0.080	2.03	0.915	23.24	387.00	575.93	637	948
235170	37	14	7/.0242	0.020	0.51	0.080	2.03	0.985	25.02	478.00	711.36	766	1140
12 AWG CONDUCTORS													
234580	2 Flat	12	7/.0305	0.020	0.51	0.045	1.14	.260x.360	6.60x9.14	42.22	62.83	83	124
260150	2	12	7/.0305	0.020	0.51	0.045	1.14	0.355	9.02	51.12	76.07	85	127
234590	3	12	7/.0305	0.020	0.51	0.045	1.14	0.385	9.78	64.60	96.14	110	164
234600	4	12	7/.0305	0.020	0.51	0.045	1.14	0.420	10.67	86.13	128.18	138	205
226420	5	12	7/.0305	0.020	0.51	0.045	1.14	0.445	11.30	107.66	160.22	165	246
234620	7	12	7/.0305	0.020	0.51	0.045	1.14	0.500	12.70	129.20	192.28	217	323
226500	9	12	7/.0305	0.020	0.51	0.060	1.52	0.615	15.62	193.80	288.41	297	442
234640	12	12	7/.0305	0.020	0.51	0.060	1.52	0.685	17.40	258.40	384.55	377	561
243600	19	12	7/.0305	0.020	0.51	0.060	1.52	0.800	20.32	403.35	600.23	568	845
243610	25	12	7/.0305	0.020	0.51	0.080	2.03	0.980	24.89	515.10	766.52	775	1153
321720	30	12	7/.0305	0.020	0.51	0.080	2.03	1.040	26.42	618.12	919.82	913	1359
234680	37	12	7/.0305	0.020	0.51	0.080	2.03	1.120	28.45	785.86	1169.44	1100	1637
10 AWG CONDUCTORS													
236300	2 Flat	10	7/.0385	0.026	0.66	0.045	1.14	.280x.430	7.11x10.92	67.00	99.71	125	186
243630	2	10	7/.0385	0.026	0.66	0.045	1.14	0.420	10.67	80.24	119.41	128	190
236310	3	10	7/.0385	0.026	0.66	0.045	1.14	0.465	11.81	101.00	150.30	165	246
236320	4	10	7/.0385	0.026	0.66	0.045	1.14	0.505	12.83	135.00	200.30	209	311
236330	5	10	7/.0385	0.026	0.66	0.060	1.52	0.590	14.99	169.00	251.50	268	399
236340	7	10	7/.0385	0.026	0.66	0.060	1.52	0.640	16.26	236.00	351.21	350	521
243620	9	10	7/.0385	0.026	0.66	0.060	1.52	0.745	18.92	295.49	439.72	452	673
236350	12	10	7/.0385	0.026	0.66	0.080	2.03	0.875	22.22	404.40	601.83	610	908

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 14 thru 10 AWG fully annealed stranded bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Polyvinyl Chloride (PVC) with clear polyamide (Nylon)
- Color Code: per ICEA Method 1; Table E-2 (Does not include white or green)

Jacket:
- Flame-retardant, moisture and sunlight-resistant Polyvinyl Chloride (PVC)

Print
- GENERAL CABLE® BICC® BRAND (WC) VNTC XX/C XXAWG (UL) TYPE TC THHN/THWN SUN RES DIR BUR 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- E-1 color code
- 100% Flexfoil® aluminum/polyester shield with 25% overlap
- Other constructions available upon request

Applications:
- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 725 for Type TC cables

Features:
- Rated at 90˚C dry, 75˚C wet
- Provides outstanding sunlight, cold bend and cold impact resistance
- Offers the smallest cable O.D. available for suitable applications
- Provides long service life
- Provides good oil and chemical resistance
- Meets cold bend test at -25˚C

Compliances:
- UL Type TC - 600V
- NEC Type THHN/THWN conductors
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

VNTC® Control, Shielded, PVC/Nylon/PVC

600V, UL Type TC

Product Construction

Conductor:

- 18 thru 10 AWG fully annealed stranded bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Polyvinyl Chloride (PVC) with clear Polyamide (Nylon)
- Color code: per ICEA Method 1; Table E-2 (Does not include white or green)

Shield:

Overall shielded multi-conductor

- Overall shield is Flexfoil® aluminum/polyester, in contact with stranded tinned copper drain wire

Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Print

- GENERAL CABLE® BICC® BRAND (WC) SHIELDED VN-TC XX/C XX AWG (UL) TYPE TC TFN OR THHN/THWN SUN RES DIR BUR 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Tinned copper conductor
- Class C stranding
- E-1 color code
- Other constructions available upon request

Applications:

- Industrial control, lighting and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC Article 501 and Class 1 circuits per NEC Article 725 for Type TC cables

Features:

- Rated at 90°C dry, 75°C wet
- Provides outstanding sunlight, cold bend and cold impact resistance
- Offers the smallest cable O.D. available for suitable applications
- Provides long service life
- Provides good oil and chemical resistance
- Meets cold bend test at -25°C

Compliances:

- UL Type TC - 600V
- NEC Type TFN conductors (16 and 18 AWG)
- NEC Type THHN/THWN conductors (14 thru 10 AWG)
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
OVERALL SHIELDED MULTI-CONDUCTOR 18 AWG CONDUCTORS													
261130	2	18	7/.0152	0.020	0.51	0.045	1.14	0.280	7.11	12.49	18.58	40	60
261140	3	18	7/.0152	0.020	0.51	0.045	1.14	0.290	7.37	17.60	26.19	49	73
261150	4	18	7/.0152	0.020	0.51	0.045	1.14	0.310	7.87	22.64	33.69	58	86
260000	5	18	7/.0152	0.020	0.51	0.045	1.14	0.340	8.64	27.75	41.29	70	104
259980	7	18	7/.0152	0.020	0.51	0.045	1.14	0.370	9.40	31.87	47.42	89	132
OVERALL SHIELDED MULTI-CONDUCTOR 16 AWG CONDUCTORS													
247620	2	16	7/.0192	0.020	0.51	0.045	1.14	0.300	7.62	19.75	29.39	52	77
261160	3	16	7/.0192	0.020	0.51	0.045	1.14	0.320	8.13	27.80	41.37	63	94
243710	4	16	7/.0192	0.020	0.51	0.045	1.14	0.350	8.89	35.86	53.36	77	115
266580	5	16	7/.0192	0.020	0.51	0.045	1.14	0.370	9.40	51.40	76.49	91	135
243740	7	16	7/.0192	0.020	0.51	0.045	1.14	0.410	10.41	60.00	89.29	119	177
243560	9	16	7/.0192	0.020	0.51	0.045	1.14	0.470	11.97	76.00	113.10	150	223
229600	12	16	7/.0192	0.020	0.51	0.045	1.14	0.510	12.95	100.00	148.82	185	275
OVERALL SHIELDED MULTI-CONDUCTOR 14 AWG CONDUCTORS													
243660	2	14	7/.0242	0.020	0.51	0.045	1.14	0.330	8.38	31.00	46.13	67	100
243720	3	14	7/.0242	0.020	0.51	0.045	1.14	0.350	8.89	44.00	65.48	84	125
243650	4	14	7/.0242	0.020	0.51	0.045	1.14	0.380	9.65	57.00	84.82	104	155
243570	5	14	7/.0242	0.020	0.51	0.045	1.14	0.400	10.16	70.00	104.17	123	183
243580	7	14	7/.0242	0.020	0.51	0.045	1.14	0.440	11.18	95.50	142.12	161	240
OVERALL SHIELDED MULTI-CONDUCTOR 12 AWG CONDUCTORS													
243670	2	12	7/.0305	0.020	0.51	0.045	1.14	0.370	9.40	51.12	76.07	93	138
243810	3	12	7/.0305	0.020	0.51	0.045	1.14	0.390	9.91	72.64	108.10	120	179
243840	4	12	7/.0305	0.020	0.51	0.045	1.14	0.420	10.67	94.18	140.15	150	223
OVERALL SHIELDED MULTI-CONDUCTOR 10 AWG CONDUCTORS													
243770	2	10	7/.0385	0.020	0.51	0.045	1.14	0.430	10.92	80.24	119.41	133	198
243820	3	10	7/.0385	0.020	0.51	0.045	1.14	0.460	11.68	113.94	169.56	174	259
243690	4	10	7/.0385	0.020	0.51	0.045	1.14	0.500	12.70	147.65	219.73	216	321

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

VNTC® Low-Voltage Power, Unshielded, PVC/Nylon/PVC

600V, UL Type TC

Product Construction

Conductor:
- 8 AWG thru 500 kcmil bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Polyvinyl Chloride (PVC) with clear polymide (nylon)
- Color code: per ICEA Method 4; Individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- Uninsulated bare annealed copper per ASTM B3
- Class B stranding per ASTM B8

Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Print:
- GENERAL CABLE® BICC® BRAND (WC) VN-TC XX/C XXAWG WITHGRND (UL) TYPE TC THHN/THWN CDRS DIR BUR SUN RES 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Insulated ground conductors
- 5 mil bare copper tape shield with 25% overlap
- Other constructions available upon request

Applications:
- In raceways, or direct burial
- In wet or dry locations
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type TC Cables

Features:
- Rated at 90˚C dry, 75˚C wet
- Provide outstanding sunlight, cold bend and cold impact resistance
- Offer the smallest cable O.D.'s available for suitable applications
- Provide good oil and chemical resistance
- Provide a long service life
- Meets cold bend test at -25˚C

Compliances:
- UL Type TC - 600V
- NEC Type THHN/THWN single conductors
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:
- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	NO. OF COND	COND. (AWG/ kcmil) SIZE	COND. STRAND	GROUND WIRE AWG SIZE	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
8 AWG - 500 kcmil CONDUCTORS														
236370	3	8	7/.0486	10	0.036	0.91	0.060	1.52	0.600	15.24	189	281	270	402
236380	4	8	7/.0486	10	0.036	0.91	0.060	1.52	0.655	16.64	241	359	338	503
226410	3	6	7/.0612	8	0.036	0.91	0.060	1.52	0.690	17.53	300	446	393	585
231980	4	6	7/.0612	8	0.036	0.91	0.060	1.52	0.760	19.30	383	570	504	750
236400	3	4	7/.0772	8	0.048	1.22	0.080	2.03	0.900	22.86	446	664	650	967
236410	4	4	7/.0772	8	0.048	1.22	0.080	2.03	0.985	25.02	578	860	824	1226
236420	3	2	7/.0974	6	0.048	1.22	0.080	2.03	1.030	26.16	710	1057	941	1400
236430	4	2	7/.0974	6	0.048	1.22	0.080	2.03	1.130	28.70	919	1368	1197	1781
236440	3	1/0	19/.0745	6	0.059	1.50	0.080	2.03	1.275	32.39	1080	1607	1447	2153
219610	4	1/0	19/.0745	6	0.059	1.50	0.080	2.03	1.405	35.69	1413	2103	1873	2787
243760	3	2/0	19/.0837	6	0.059	1.50	0.080	2.03	1.350	34.29	1340	1994	1737	2585
336970	4	2/0	19/.0837	6	0.059	1.50	0.080	2.03	1.490	37.85	1760	2619	2252	3351
221560	3	4/0	19/.1055	4	0.059	1.50	0.080	2.03	1.580	40.13	2130	3170	2595	3862
222520	4	4/0	19/.1055	4	0.059	1.50	0.110	2.79	1.820	46.23	2796	4161	3471	5166
222490	3	250	37/.0822	4	0.070	1.78	0.110	2.79	1.790	45.47	2494	3696	3177	4728
297050	4	250	37/.0822	4	0.070	1.78	0.110	2.79	1.980	50.29	3281	4883	4107	6112
226430	3	350	37/.0973	3	0.070	1.78	0.110	2.79	2.020	51.31	3474	5170	4334	6457
297060	4	350	37/.0973	3	0.070	1.78	0.110	2.79	2.240	56.90	4586	6825	5585	8312
219630	3	500	37/.1162	2	0.070	1.78	0.110	2.79	2.310	58.67	4934	7343	5890	8765
222510	4	500	37/.1162	2	0.070	1.78	0.110	2.79	2.560	65.02	6509	9687	7694	11450

Dimensions and weights are nominal, subject to industry tolerance.

BICC® BRAND

UL LISTED

General Cable

Phone:(800) 338-0901
www.generalcable.com

DuraSheath® Low-Voltage Power, Unshielded, EPR/HYP

600V, UL Type RHH/RHW-2/USE-2

Product Construction

Conductor:

- 14 AWG thru 1000 kcmil coated tinned copper Class B stranding per ASTM B33 and B8

Composite Insulation/Jacket:

- Flame-retardant Ethylene Propylene Rubber (EPR) colored for contrast with black low-lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print:

- GENERAL CABLE® BICC® BRAND (MI) DURASHEATH LL TYPE USE-2 OR RHH OR RHW-2 VW-1 SIZE (AWG OR KCMIL) EP 600 VOLTS (UL) MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

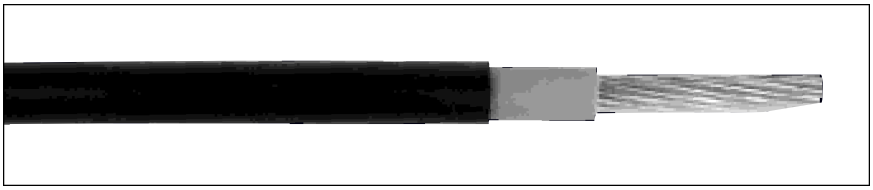
- Available in 2kV constructions

Applications:

- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is the major concern and where maximum performance will be demanded
- In free air, raceways, or direct burial
- For use in aerial, conduit, open tray, and underground duct/installations

Features:

- Rated at 90˚C wet or dry
- Deformation-resistant at high temperatures
- Excellent moisture resistance, exceeds UL 44
- Stable electrical properties over a broad temperature range



Features (con't):

- Excellent flexibility at low temperatures; suitable for installation in sub zero conditions
- Extra tough, mechanically rugged composite insulation and jacket construction
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Meets UL-44 cold bend test at -40˚C

Compliances:

- UL 44 Standard for Rubber Insulated Wires and cables and UL 854 for Service Entrance Cables
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-68-516/NEMA WC8)
- FAA L824 specification for cable for underground airport lighting circuits
- UL listed as Type USE-2 or RHH or RHW-2 for use in accordance with NEC
- Single conductors 1/0 AWG and larger are listed and marked "Sunlight-Resistant FOR CT USE" in accordance with NEC Article 318
- UL listed VW-1

Compliances (con't):

- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- Meets Mine Safety and Health Administration (MSHA) flame test for sizes 6 AWG - 1000 kcmil

1999 NEC

- Ampacities. . . . . Article 310-15 & 318-11
- Wiring Methods . . . . . Article 300-A
- Cable Trays. . . . . Article 318
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	COND. (AWG/kcmil) SIZE	COND. STRAND	NOMINAL COND. DIAMETER		MINIMUM AVG. INSULATION				MINIMUM AVG. JACKET				COPPER WEIGHT		NET WEIGHT	
					THICKNESS		DIAMETER		THICKNESS		DIAMETER					
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
14 AWG - 1000 kcmil CONDUCTORS																
14511.411400	14*	7/.0486	0.07	1.78	0.030	0.76	0.14	3.56	0.015	0.38	0.17	4.32	12.7	18.90	24	36
14511.411200	12	7/.0612	0.09	2.29	0.030	0.76	0.16	4.06	0.015	0.38	0.19	4.83	20.2	30.06	33	49
14511.411000	10	7/.0612	0.12	3.05	0.030	0.76	0.18	4.57	0.015	0.38	0.21	5.33	32.0	47.62	48	71
14511.410800	8	7/.0772	0.15	3.81	0.045	1.14	0.24	6.10	0.015	0.38	0.28	7.11	50.1	74.56	77	115
14511.410600	6	7/.0486	0.18	4.57	0.045	1.14	0.28	7.11	0.030	0.76	0.35	8.89	81.1	120.69	122	182
14511.410400	4	7/.0612	0.23	5.84	0.045	1.14	0.33	8.38	0.030	0.76	0.39	9.91	128.9	191.83	178	265
14511.710200	2	7/.0612	0.29	7.37	0.045	1.14	0.39	9.91	0.030	0.76	0.46	11.68	204.9	304.93	265	394
14511.715100	1/0	19/.0745	0.37	9.40	0.055	1.40	0.48	12.19	0.045	1.14	0.58	14.73	325.8	484.86	422	628
14511.715200	2/0	19/.0837	0.41	10.41	0.055	1.40	0.53	13.46	0.045	1.14	0.63	16.00	410.9	611.50	518	771
14511.715400	4/0	19/.1055	0.52	13.21	0.055	1.40	0.64	16.26	0.045	1.14	0.74	18.80	653.0	971.79	785	1168
14511.716000	250	37/.0822	0.56	14.22	0.065	1.65	0.70	17.78	0.065	1.65	0.85	21.59	772.0	1148.89	960	1429
14511.716200	350	37/.0973	0.67	17.02	0.065	1.65	0.81	20.57	0.065	1.65	0.96	24.38	1081.0	1609.00	1299	1933
14511.716500	500	37/.1162	0.80	20.32	0.065	1.65	0.94	23.88	0.065	1.65	1.09	27.69	1542.0	2294.80	1803	2683
14511.717000	750	61/.1109	0.98	24.89	0.080	2.03	1.15	29.21	0.065	1.65	1.31	33.27	2316.0	3446.67	2664	3965
14511.717500	1000	61/.1280	1.13	28.70	0.080	2.03	1.31	33.27	0.065	1.65	1.46	37.08	3806.0	5664.10	3989	5936

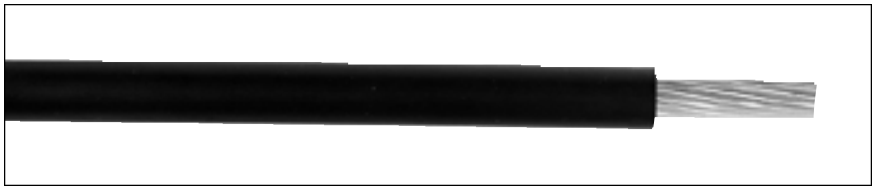
* 14 AWG is not rated Type USE-2 per NEC
Dimensions and weights are nominal, subject to industry tolerance.

General Cable
Phone:(800) 338-0901
www.generalcable.com

UL LISTED BICC BRAND

Unicon® FREP Low-Voltage Power, Unshielded, EPR

600V, UL Type RHH/RHW-2/USE-2



Product Construction

Conductor:

- 14 AWG thru 1000 kcmil stranded annealed bare copper compressed class B stranding per ASTM B8

Insulation:

- Flame-retardant Ethylene Propylene Rubber (EPR)

Print:

- GENERAL CABLE® BICC® BRAND (MI) UNICON FREP TYPE USE-2 OR RHH OR RHW-2 VW-1 SIZE (AWGOR KCMIL)600 VOLTS (UL) MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Tinned copper conductor
- Class C stranding
- Various colors available
- Flame-retardant Cross-Linked Polyethylene (XLPE) insulation
- Other constructions available upon request

Applications:

- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is the major concern, where maximum performance will be demanded and where space is limited
- In free air, raceways, or direct burial in accordance with NEC

Features:

- Rated at 90°C wet or dry
- Smaller cable O.D.
- Excellent electrical, thermal and physical properties
- Excellent resistance to moisture
- Excellent resistance to crush, compression cuts, and heat deformation
- Excellent flame resistance
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -25°C

Compliances:

1999 NEC:

- Ampacities . . . . . Article 310-15 & 318-11
- Wiring Methods. . . . . Article 300-A
- Cable Trays. . . . . Article 318
- UL 44 Standard for rubber-insulated wires and cables and UL 854
- ICEA S-95-658/NEMA WC70 (Formerly ICEA S-68-516/NEMA WC8)
- UL listed as Type USE-2 or RHH or RHW-2 for use in accordance with NEC
- Single conductor 1/0 AWG and larger are listed "FOR CT USE" in accordance with NEC Article 318
- UL listed VW-1
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (70,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Material cut to length and shipped out on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lags, pulling eyes, paralleling, and plexing

CATALOG NUMBER	COND. (AWG/kcmil) SIZE	COND. STRAND	COND. DIAMETER		MINIMUM AVG. INSULATION THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
			INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km
14 AWG - 1000 kcmil CONDUCTORS												
14101.211400	14*	7/.07	0.07	1.78	.045	1.14	0.17	4.32	12.7	18.90	25	37
14101.211200	12	7/.09	0.09	2.29	.045	1.14	0.19	4.83	20.2	30.06	34	51
14101.211000	10	7/.12	0.12	3.05	.045	1.14	0.21	5.33	32.0	47.62	48	71
14101.210800	8	7/.15	0.15	3.81	.060	1.52	0.27	6.86	50.1	74.56	78	116
14101.210600	6	7/.18	0.18	4.57	.060	1.52	0.31	7.87	81.1	120.69	114	170
14101.210400	4	7/.23	0.23	5.84	.060	1.52	0.36	9.14	128.9	191.83	169	252
14101.210200	2	7/.29	0.29	7.37	.060	1.52	0.42	10.67	204.9	304.93	254	378
14101.215100	1/0	19/.37	0.37	9.40	.080	2.03	0.53	13.46	325.8	484.86	402	598
14101.215200	2/0	19/.41	0.41	10.41	.080	2.03	0.58	14.73	410.9	611.50	495	734
14101.215400	4/0	19/.52	0.52	13.21	.080	2.03	0.69	17.53	653.0	971.79	759	1130
14101.216000	250	37/.56	0.56	14.22	.095	2.41	0.77	19.56	772.0	1148.89	905	1347
14101.216200	350	37/.67	0.67	17.02	.095	2.41	0.87	22.10	1081.0	1609.00	1235	1838
14101.216500	500	37/.80	0.80	20.32	.095	2.41	1.00	25.40	1542.0	2294.80	1728	2572
14101.217000	750	61/.98	0.98	24.89	.110	2.79	1.22	30.99	2316.0	3446.67	2573	3829
14104.217500	1000	61/1.13	1.13	28.70	.110	2.79	1.37	34.80	3086.0	4592.59	3381	5032

* 14 AWG is not rated Type USE per NEC
Dimensions and weights are nominal, subject to industry tolerance.

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