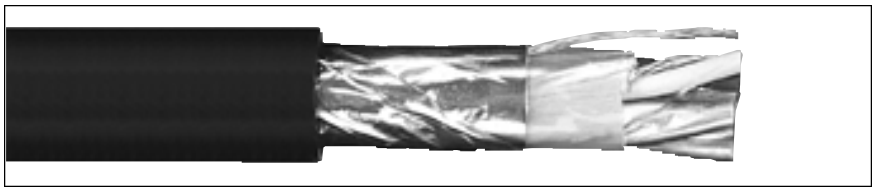
Instrumentation & Thermocouple Cables - 300V & 600V



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

From Power-Limited Tray Cable (PLTC) to Instrumentation Tray Cable (ITC), General Cable provides you with the instrumentation and thermocouple cable for all your applications. Offering the widest range of jacketing and insulating materials in the industry, our standard options include Hypalon® (CSPE), CPE, XL-LSZH, XLPE, EPR, and PVC.

Unparalleled performance and a diverse range of standard products from cost effective VNTC® and industry recognized FREP® to highly engineered industrial Instrumentation cables for normal as well as harsh environ-ments. Our engineers have the experience and expertise to utilize materials and configurations to combine the optimum balance of properties.

As your single source provider for unmatched product quality, General Cable provides innovative solutions for your instrumentation and thermocouple applications.

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INSTRUMENTATION CABLES

PRODUCT LINE	AWG RANGE	INSULATION	JACKET	VOLTAGE	UL/CSA LISTING	COLOR CODE/ METHOD 1
CHTC™	20 - 16	XLPE	Hypalon® (CSPE)	300/600	PLTC & TC	TABLE-E1
FREP®	20 - 16	EPR	CPE	600	PLTC & TC	TABLE-E1
ARCTIC-FLEX™	18 - 16	XLPE	ARCTIC-PVC	600	TC/CIC	TABLE-E1
CVTC™	18 - 16	XLPE	PVC	300/600	PLTC & TC	TABLE-E1
VNTC®	18 - 16	PVC/Nylon	PVC	600	TC	TABLE-E1
PVIC™	20 - 16	PVC	PVC	300	PLTC/ITC	TABLE-E1

THERMOCOUPLE CABLES

PRODUCT LINE	AWG RANGE	INSULATION	JACKET	VOLTAGE	UL LISTING	COLOR CODE
CH_X	16	XLPE	Hypalon® (CSPE)	600	–	–
FREP®_X	20 & 16	EPR	CPE	300/600	PLTC	–
CV_X	20 & 16	XLPE	PVC	300/600	PLTC	–
PV_X	20 & 16	PVC	PVC	300	PLTC	–

BICC® BRAND

General Cable

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

CHTC™ Instrumentation, Shielded, XLPE/HYP

300V, UL Type PLTC

Product Construction

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

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Overall shielded pairs/triads
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CHTC XX/PS/TS XXAWG XLP/HYP SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES OIL RES I & II PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

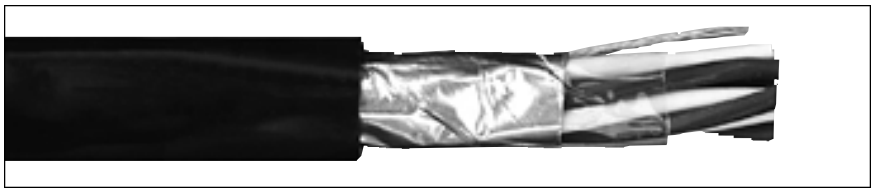
Options:
- Bare copper conductor
- Class C stranding
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Other constructions available upon request

Applications:
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In free air or raceways in accordance with NEC
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables
- In ducts, cable trays or conduit
- In accordance with UL subject 13 as Power-Limited Circuit Cable
- In class 3 circuits in accordance with NEC article 725

Features:
- Rated at 90˚ C
- Oil-resistant jacket
- Sunlight- and weather-resistant
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent flame resistance
- "Heavy duty" rating per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35˚C

Compliances:
- UL Type PLTC - 300V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- 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 PAIRS/ TRIADS	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 PAIRS/TRIADS 20 AWG CONDUCTORS													
337770	1	20	7/.0121	0.015	0.38	0.035	0.89	0.216	5.49	9.4	13.99	24	36
337780	1 TRI	20	7/.0121	0.015	0.38	0.035	0.89	0.225	5.72	13.0	19.35	28	42
337790	2	20	7/.0121	0.015	0.38	0.040	1.02	0.330	8.38	16.7	24.85	43	64
309660	4	20	7/.0121	0.015	0.38	0.040	1.02	0.380	9.65	31.2	46.43	66	98
309670	8	20	7/.0121	0.015	0.38	0.050	1.27	0.495	12.57	60.2	89.59	120	179
309680	12	20	7/.0121	0.015	0.38	0.050	1.27	0.575	14.61	89.2	132.75	173	257
337800	16	20	7/.0121	0.015	0.38	0.060	1.52	0.675	17.15	118.1	175.76	231	344
337810	20	20	7/.0121	0.015	0.38	0.060	1.52	0.700	17.78	147.1	218.91	274	408
309690	24	20	7/.0121	0.015	0.38	0.060	1.52	0.790	20.07	176.1	262.07	322	479
311640	36	20	7/.0121	0.015	0.38	0.070	1.78	0.910	23.11	263.0	391.40	472	702
309700	50	20	7/.0121	0.015	0.38	0.070	1.78	1.040	26.42	364.4	542.30	634	944
OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS													
337820	1	18	7/.0152	0.015	0.38	0.035	0.89	0.240	6.10	12.5	18.60	30	45
337830	1 TRI	18	7/.0152	0.015	0.38	0.035	0.89	0.252	6.40	17.6	26.19	40	60
337840	2	18	7/.0152	0.015	0.38	0.040	1.02	0.365	9.27	23.1	34.38	54	80
337850	4	18	7/.0152	0.015	0.38	0.050	1.27	0.440	11.18	43.9	65.33	94	140
337860	8	18	7/.0152	0.015	0.38	0.050	1.27	0.550	13.97	85.5	127.24	150	223
337870	12	18	7/.0152	0.015	0.38	0.060	1.52	0.675	17.15	127.1	189.15	243	362
337880	16	18	7/.0152	0.015	0.38	0.060	1.52	0.750	19.05	168.7	251.06	310	461
337890	20	18	7/.0152	0.015	0.38	0.060	1.52	0.785	19.94	210.3	312.97	371	552
337900	24	18	7/.0152	0.015	0.38	0.070	1.78	0.905	22.99	252.0	375.03	438	652
337910	36	18	7/.0152	0.015	0.38	0.070	1.78	1.020	25.91	376.8	560.75	648	964
337920	50	18	7/.0152	0.015	0.38	0.070	1.78	1.170	29.72	522.5	777.58	870	1295
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
309520	1	16	7/.0192	0.015	0.38	0.035	0.89	0.257	6.53	24.1	35.87	41	61
337930	1 TRI	16	7/.0192	0.015	0.38	0.035	0.89	0.270	6.86	26.6	39.59	52	77
337940	2	16	7/.0192	0.015	0.38	0.050	1.27	0.430	10.92	35.5	52.83	78	116
337950	4	16	7/.0192	0.015	0.38	0.050	1.27	0.490	12.45	68.8	102.39	127	189
337960	8	16	7/.0192	0.015	0.38	0.060	1.52	0.650	16.51	135.3	201.35	220	327
337970	12	16	7/.0192	0.015	0.38	0.060	1.52	0.755	19.18	201.8	300.31	335	499
337980	16	16	7/.0192	0.015	0.38	0.060	1.52	0.845	21.46	268.3	399.28	431	641
337990	20	16	7/.0192	0.015	0.38	0.060	1.52	0.880	22.35	334.8	498.25	535	796
338000	24	16	7/.0192	0.015	0.38	0.070	1.78	1.020	25.91	401.3	597.21	632	941
338010	36	16	7/.0192	0.015	0.38	0.070	1.78	1.155	29.34	600.8	894.11	914	1360
338020	50	16	7/.0192	0.015	0.38	0.080	2.03	1.345	34.16	833.6	1240.56	1258	1872

General Cable
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UL LISTED BICC BRAND

CHTC™ Instrumentation, Shielded, XLPE/HYP

300V, UL Type PLTC

CATALOG NUMBER	NO. OF PAIRS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS													
338030	2	20	7/.0121	0.015	0.38	0.040	1.02	0.355	9.02	21.4	31.85	49	73
309540	4	20	7/.0121	0.015	0.38	0.050	1.27	0.430	10.92	40.6	60.42	86	128
309550	8	20	7/.0121	0.015	0.38	0.050	1.27	0.550	13.97	79.0	117.57	155	231
309560	12	20	7/.0121	0.015	0.38	0.060	1.52	0.690	17.53	117.3	174.57	224	333
338040	16	20	7/.0121	0.015	0.38	0.060	1.52	0.760	19.30	155.7	231.71	283	421
338050	20	20	7/.0121	0.015	0.38	0.060	1.52	0.840	21.34	194.0	288.71	343	510
309570	24	20	7/.0121	0.015	0.38	0.070	1.78	0.925	23.50	232.4	345.86	417	621
309580	36	20	7/.0121	0.015	0.38	0.070	1.78	1.080	27.43	347.4	517.00	594	884
338060	50	20	7/.0121	0.015	0.38	0.070	1.78	1.235	31.37	481.7	716.87	819	1219
INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS													
338070	2	18	7/.0152	0.015	0.38	0.050	1.27	0.410	10.41	27.8	41.37	70	104
338080	4	18	7/.0152	0.015	0.38	0.050	1.27	0.475	12.07	53.3	79.32	113	168
338090	8	18	7/.0152	0.015	0.38	0.060	1.52	0.635	16.13	104.3	155.22	211	314
338100	12	18	7/.0152	0.015	0.38	0.060	1.52	0.765	19.43	155.2	230.97	300	446
338110	16	18	7/.0152	0.015	0.38	0.060	1.52	0.845	21.46	206.3	307.02	383	570
338120	20	18	7/.0152	0.015	0.38	0.070	1.78	0.955	24.26	253.7	377.56	483	719
338130	24	18	7/.0152	0.015	0.38	0.070	1.78	1.030	26.16	308.3	458.81	571	850
338140	36	18	7/.0152	0.015	0.38	0.070	1.78	1.210	30.73	461.3	686.51	816	1214
338150	50	18	7/.0152	0.015	0.38	0.080	2.03	1.400	35.56	640.0	952.45	1126	1676
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
338160	2	16	7/.0192	0.015	0.38	0.050	1.27	0.455	11.56	40.1	59.68	92	137
338170	4	16	7/.0192	0.015	0.38	0.050	1.27	0.530	13.46	77.9	115.93	156	232
338180	8	16	7/.0192	0.015	0.38	0.060	1.52	0.710	18.03	153.1	227.84	287	427
338190	12	16	7/.0192	0.015	0.38	0.060	1.52	0.855	21.72	229.1	340.95	417	621
338200	16	16	7/.0192	0.015	0.38	0.070	1.78	0.970	24.64	304.2	452.71	553	823
338210	20	16	7/.0192	0.015	0.38	0.070	1.78	1.070	27.18	380.0	565.52	680	1012
338220	24	16	7/.0192	0.015	0.38	0.070	1.78	1.160	29.46	455.1	677.28	800	1191
338230	36	16	7/.0192	0.015	0.38	0.080	2.03	1.380	35.05	681.6	1014.36	1177	1752
338240	50	16	7/.0192	0.015	0.38	0.080	2.03	1.580	40.13	945.2	1407.54	1595	2374

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

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

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; Pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs
- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CHTC XX/SPS XX AWG XLP/HYP SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES OIL RES I & II MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductor
- Class C stranding
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Thermoset Low-Smoke, Zero-Halogen (XL-LSZH) jacket
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Other constructions available upon request

Applications:
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In free air or raceways in accordance with NEC
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables
- In ducts, cable trays or conduit
- In accordance with UL subject 13 as Power-Limited Circuit Cable
- In class 3 circuits in accordance with NEC article 725

Features:
- Rated at 90˚ C
- Oil-resistant jacket
- Sunlight- and weather-resistant
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent flame resistance
- "Heavy duty" rating per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35˚C

Compliances:
- UL TYPE PLTC - 300V
- IEEE 1202 (70,000 BTU/hr)/ CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- 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

CVTC™ Instrumentation, Shielded, XLPE/PVC

300V, UL Type PLTC

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Overall shielded pairs/triads
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CVTC XX/PS/TS XXAWG FR-XLP/PVC SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

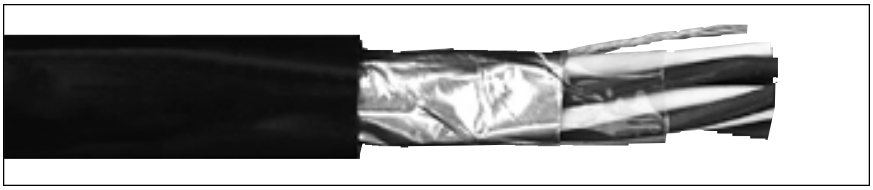
Options:
- Tinned copper conductor
- Class C stranding
- Ethylene Propylene Rubber (EPR) insulation
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Other constructions available upon request

Applications:
- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In ducts, cable trays, or conduit
- In accordance with UL Subject 13 as Power-Limited Circuit Cable
- In Class 3 circuits in accordance with NEC Article 725
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables

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

Compliances:
- UL Type PLTC - 300V
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- 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 PAIRS/ TRIADS	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 PAIRS/TRIADS 18 AWG CONDUCTORS													
342930	1 TRI	18	7/.0152	0.015	0.38	0.040	1.02	0.250	6.35	18	27	40	60
342940	2	18	7/.0152	0.015	0.38	0.040	1.02	0.365	9.27	25	37	56	83
342950	4	18	7/.0152	0.015	0.38	0.050	1.27	0.440	11.18	46	68	98	146
342960	8	18	7/.0152	0.015	0.38	0.050	1.27	0.550	13.97	87	129	175	260
342970	12	18	7/.0152	0.015	0.38	0.060	1.52	0.675	17.15	129	192	250	372
342980	16	18	7/.0152	0.015	0.38	0.060	1.52	0.750	19.05	171	254	317	472
342990	20	18	7/.0152	0.015	0.38	0.060	1.52	0.785	19.94	211	314	379	564
343000	24	18	7/.0152	0.015	0.38	0.060	1.52	0.905	22.99	253	377	446	664
343010	36	18	7/.0152	0.015	0.38	0.070	1.78	1.020	25.91	453	674	660	982
343020	50	18	7/.0152	0.015	0.38	0.070	1.78	1.170	29.72	524	780	884	1316
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
343030	1 TRI	16	7/.0192	0.015	0.38	0.040	1.02	0.280	7.11	27	40	53	79
343040	2	16	7/.0192	0.015	0.38	0.050	1.27	0.430	10.92	37	55	81	121
343050	4	16	7/.0192	0.015	0.38	0.050	1.27	0.490	12.45	71	106	131	195
343060	8	16	7/.0192	0.015	0.38	0.060	1.52	0.650	16.51	135	201	237	353
343070	12	16	7/.0192	0.015	0.38	0.060	1.52	0.755	19.18	203	302	342	509
343080	16	16	7/.0192	0.015	0.38	0.060	1.52	0.845	21.46	270	402	439	653
343090	20	16	7/.0192	0.015	0.38	0.070	1.78	0.880	22.35	334	497	545	811
343100	24	16	7/.0192	0.015	0.38	0.070	1.78	1.020	25.91	400	595	643	957
343110	36	16	7/.0192	0.015	0.38	0.070	1.78	1.155	29.34	599	891	927	1380
343120	50	16	7/.0192	0.015	0.38	0.080	2.03	1.345	34.16	831	1237	1276	1899

Dimensions and weights are nominal; subject to industry tolerance.

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

CVTC™ Instrumentation, Shielded, XLPE/PVC

300V, UL Type PLTC

CATALOG NUMBER	NO. OF PAIRS/ TRIADS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS													
343130	1 TRI	18	7/.0152	0.015	0.38	0.040	1.02	0.250	6.35	18	27	40	60
343140	2	18	7/.0152	0.015	0.38	0.050	1.27	0.410	10.41	30	45	73	109
343150	4	18	7/.0152	0.015	0.38	0.050	1.27	0.475	12.07	55	82	117	174
343160	8	18	7/.0152	0.015	0.38	0.050	1.27	0.635	16.13	105	156	215	320
343170	12	18	7/.0152	0.015	0.38	0.060	1.52	0.765	19.43	156	232	308	458
343180	16	18	7/.0152	0.015	0.38	0.060	1.52	0.845	21.46	207	308	392	583
343190	20	18	7/.0152	0.015	0.38	0.070	1.78	0.955	24.26	252	375	494	735
343200	24	18	7/.0152	0.015	0.38	0.070	1.78	1.030	26.16	302	449	583	868
343210	36	18	7/.0152	0.015	0.38	0.070	1.78	1.210	30.73	452	673	830	1235
343220	50	18	7/.0152	0.015	0.38	0.080	2.03	1.400	35.56	682	935	1145	1704
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
343230	1 TRI	16	7/.0192	0.015	0.38	0.040	1.02	0.280	7.11	27	40	53	79
343240	2	16	7/.0192	0.015	0.38	0.050	1.27	0.455	11.56	42	63	96	143
343250	4	16	7/.0192	0.015	0.38	0.050	1.27	0.530	13.46	80	119	160	238
343260	8	16	7/.0192	0.015	0.38	0.060	1.52	0.710	18.03	155	231	293	436
343270	12	16	7/.0192	0.015	0.38	0.060	1.52	0.855	21.72	230	342	425	632
343280	16	16	7/.0192	0.015	0.38	0.070	1.78	0.970	24.64	306	455	563	838
343290	20	16	7/.0192	0.015	0.38	0.070	1.78	1.070	27.18	375	558	692	1030
343300	24	16	7/.0192	0.015	0.38	0.070	1.78	1.160	29.46	456	679	814	1211
343310	36	16	7/.0192	0.015	0.38	0.080	2.03	1.380	35.05	674	1003	1196	1780
343320	50	16	7/.0192	0.015	0.38	0.080	2.03	1.580	40.13	635	1391	1671	2487

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs/triads
- Individual pairs/triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CVTC XX/SPS/STS XXAWG FR-XLP/PVC SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Ethylene Propylene Rubber (EPR) insulation
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Other constructions available upon request

Applications:
- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In ducts, cable trays, or conduit
- In accordance with UL Subject 13 as Power-Limited Circuit Cable
- In Class 3 circuits in accordance with NEC Article 725
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables

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

Compliances:
- UL Type PLTC - 300V
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- 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

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

PVIC™ Instrumentation, Shielded, PVC/PVC

300V, UL Type PLTC/ITC

Product Construction

Conductor:
- 20 AWG thru 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Polyvinyl Chloride (PVC)
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Overall shielded pairs/triads
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:
- Sunlight-resistant Polyvinyl Chloride (PVC)

Print:
- GENERAL CABLE® BICC® BRAND (WC) PVIC XX/PS/TS XXAWG PVC/PVC SHIELDED (UL) TYPE PLTC OR ITC 300V 105˚C SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

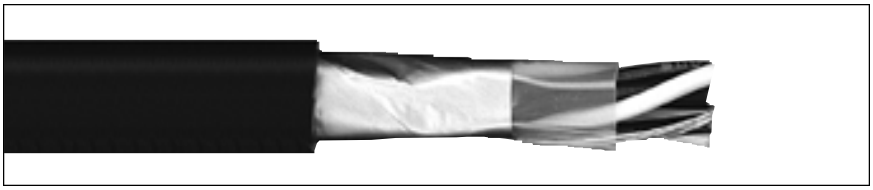
Options:
- Tinned copper conductor
- Class C stranding
- Other constructions available upon request

Applications:
- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In ducts, cable trays, or conduit
- In accordance with UL Subject 13 as Power-Limited Circuit Cable
- In Class 3 circuits in accordance with NEC Article 725
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC/ITC cables
- Per NEC Article 727 for Type PLTC/ITC

Features:
- Rated at 105˚C
- Good electrical properties
- Oil- and sunlight-resistant
- Flame-retardant
- Good mechanical properties
- Meets cold bend test at -25˚C

Compliances:
- UL Type PLTC/ITC - 300V
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- UL Subject 2250 (70,000 BTU/hr) for ITC
- 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 PAIRS/ TRIADS	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 PAIRS/TRIADS 20 AWG CONDUCTORS													
325900	1	20	7/.0121	0.012	0.30	0.040	1.02	0.220	5.59	9	13	28.2	42.0
325910	1 TRI	20	7/.0121	0.012	0.30	0.040	1.02	0.241	6.12	12	18	34.3	51.0
325920	2	20	7/.0121	0.012	0.30	0.040	1.02	0.255	6.48	17	25	40.6	60.4
325940	4	20	7/.0121	0.012	0.30	0.042	1.07	0.321	8.15	30	45	65.3	97.2
339620	8	20	7/.0121	0.012	0.30	0.050	1.27	0.475	12.07	54	80	103.5	154.0
348090	12	20	7/.0121	0.012	0.30	0.050	1.27	0.545	13.84	83	124	195.0	290.0
334630	16	20	7/.0121	0.012	0.30	0.050	1.27	0.605	15.37	107	159	248.0	369.0
348100	20	20	7/.0121	0.012	0.30	0.060	1.52	0.650	16.51	135	201	309.0	460.0
339640	24	20	7/.0121	0.012	0.30	0.060	1.52	0.740	18.80	153	228	376.0	559.0
339650	36	20	7/.0121	0.012	0.30	0.060	1.52	0.850	21.59	238	354	530.0	789.0
339660	50	20	7/.0121	0.012	0.30	0.070	1.78	0.970	24.64	330	491	713.0	1061.0
OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS													
325830	1	18	7/.0152	0.015	0.38	0.040	1.02	0.240	6.10	12	18	35.0	52.1
325840	1 TRI	18	7/.0152	0.015	0.38	0.040	1.02	0.264	6.71	18	27	44.0	65.5
325850	2	18	7/.0152	0.015	0.38	0.042	1.07	0.294	7.47	25	37	54.9	81.7
325880	4	18	7/.0152	0.015	0.38	0.042	1.07	0.357	9.07	46	68	89.5	133.2
348020	8	18	7/.0152	0.015	0.38	0.060	1.52	0.646	16.41	87	129	191.6	285.1
348030	12	18	7/.0152	0.015	0.38	0.060	1.52	0.670	17.02	129	192	293.0	436.0
348040	16	18	7/.0152	0.015	0.38	0.060	1.52	0.750	19.05	171	254	374.0	556.0
339670	20	18	7/.0152	0.015	0.38	0.060	1.52	0.780	19.81	211	314	449.0	668.0
339680	24	18	7/.0152	0.015	0.38	0.070	1.78	0.915	23.24	253	377	564.0	839.0
348050	36	18	7/.0152	0.015	0.38	0.070	1.78	1.030	26.16	453	674	787.0	1171.0
339690	50	18	7/.0152	0.015	0.38	0.070	1.78	1.180	29.97	524	780	1059.0	1576.0
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
325770	1	16	7/.0192	0.015	0.38	0.040	1.02	0.273	6.93	18	27	44.7	66.5
325780	1 TRI	16	7/.0192	0.015	0.38	0.042	1.07	0.297	7.54	27	40	57.8	86.0
325790	2	16	7/.0192	0.015	0.38	0.042	1.07	0.344	8.74	37	55	73.5	109.4
325810	4	16	7/.0192	0.015	0.38	0.053	1.35	0.442	11.23	71	106	132.1	196.6
339700	8	16	7/.0192	0.015	0.38	0.060	1.52	0.726	18.44	135	201	258.8	385.1
348170	12	16	7/.0192	0.015	0.38	0.060	1.52	0.755	19.18	203	302	408.0	607.0
348180	16	16	7/.0192	0.015	0.38	0.070	1.78	0.845	21.46	270	402	526.0	783.0
339710	20	16	7/.0192	0.015	0.38	0.070	1.78	0.905	22.99	334	497	655.0	975.0
339720	24	16	7/.0192	0.015	0.38	0.070	1.78	1.030	26.16	400	595	803.0	1195.0
339730	36	16	7/.0192	0.015	0.38	0.070	1.78	1.165	29.59	599	891	1122.0	1670.0
339740	50	16	7/.0192	0.015	0.38	0.080	2.03	1.355	34.42	831	1237	1544.0	2298.0

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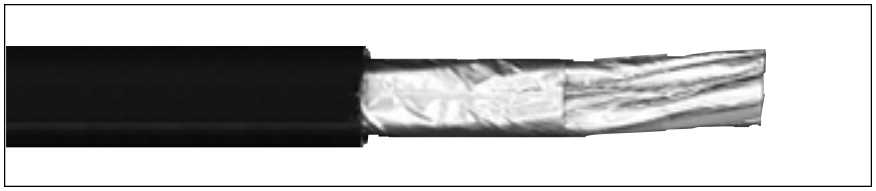
PVIC™ Instrumentation, Shielded, PVC/PVC

300V, UL Type PLTC/ITC



CATALOG NUMBER	NO. OF PAIRS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS													
325930	2	20	7/.0121	0.012	0.30	0.040	1.02	0.257	6.53	22	33	46.4	69.1
325950	4	20	7/.0121	0.012	0.30	0.042	1.07	0.325	8.26	39	58	75.9	113.0
339750	8	20	7/.0121	0.012	0.30	0.050	1.27	0.537	13.64	71	106	147.5	219.5
339760	12	20	7/.0121	0.012	0.30	0.060	1.52	0.640	16.26	83	124	223.0	332.0
348110	16	20	7/.0121	0.012	0.30	0.060	1.52	0.705	17.91	165	246	280.0	417.0
339770	20	20	7/.0121	0.012	0.30	0.060	1.52	0.780	19.81	175	260	339.0	504.0
339780	24	20	7/.0121	0.012	0.30	0.060	1.52	0.845	21.46	209	311	397.0	591.0
348120	36	20	7/.0121	0.012	0.30	0.070	1.78	1.015	25.78	324	482	586.0	872.0
341790	50	20	7/.0121	0.012	0.30	0.070	1.78	1.190	30.23	433	644	786.0	1170.0
INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS													
325860	2	18	7/.0152	0.015	0.38	0.042	1.07	0.296	7.52	30	45	61.0	90.8
325890	4	18	7/.0152	0.015	0.38	0.042	1.07	0.359	9.12	55	82	100.0	148.8
348060	8	18	7/.0152	0.015	0.38	0.060	1.52	0.656	16.66	105	156	212.1	315.6
348070	12	18	7/.0152	0.015	0.38	0.060	1.52	0.760	19.30	156	232	315.0	469.0
348080	16	18	7/.0152	0.015	0.38	0.060	1.52	0.845	21.46	207	308	401.0	597.0
339800	20	18	7/.0152	0.015	0.38	0.070	1.78	0.955	24.26	252	375	505.0	752.0
339810	24	18	7/.0152	0.015	0.38	0.070	1.78	1.040	26.42	302	449	596.0	887.0
339820	36	18	7/.0152	0.015	0.38	0.070	1.78	1.215	30.86	452	673	846.0	1259.0
339830	50	18	7/.0152	0.015	0.38	0.080	2.03	1.450	36.83	628	935	1165.0	1734.0
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
325800	2	16	7/.0192	0.015	0.38	0.042	1.07	0.346	8.79	42	63	79.8	118.8
325820	4	16	7/.0192	0.015	0.38	0.053	1.35	0.440	11.18	80	119	150.9	224.6
348130	8	16	7/.0192	0.015	0.38	0.060	1.52	0.736	18.69	155	231	287.9	428.5
348140	12	16	7/.0192	0.015	0.38	0.060	1.52	0.855	21.72	230	342	435.0	647.0
348150	16	16	7/.0192	0.015	0.38	0.070	1.78	0.970	24.64	306	455	575.0	856.0
339840	20	16	7/.0192	0.015	0.38	0.070	1.78	1.080	27.43	375	558	705.0	1049.0
348160	24	16	7/.0192	0.015	0.38	0.070	1.78	1.165	29.59	456	679	828.0	1232.0
339850	36	16	7/.0192	0.015	0.38	0.080	2.03	1.390	35.31	674	1003	1215.0	1808.0
339860	50	16	7/.0192	0.015	0.38	0.090	2.29	1.655	42.04	935	1391	1670.0	2485.0

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 20 AWG thru 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Polyvinyl Chloride (PVC)
- Color coded: per ICEA Method 1; Pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs
- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:
- Sunlight-resistant Polyvinyl Chloride (PVC)

Print:
- GENERAL CABLE® BICC® BRAND (WC) PVIC XX/SPS XXAWG PVC/PVC SHIELDED (UL) TYPE PLTC OR ITC 300V 105˚C SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Other constructions available upon request

Applications:
- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
- In ducts, cable trays, or conduit
- In accordance with UL Subject 13 as Power-Limited Circuit Cable
- In Class 3 circuits in accordance with NEC Article 725
- In accordance with UL subject 2250 as Instrumentation Tray Cable (ITC)
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC/ITC cables
- Per NEC Article 727 for Type PLTC/ITC

Features:
- Rated at 105˚C
- Good electrical properties
- Oil- and sunlight-resistant
- Flame-retardant
- Good mechanical properties
- Meets cold bend test at -25˚C

Compliances:
- UL Type PLTC/ITC - 300V
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- UL Subject 2250 (70,000 BTU/hr) for ITC
- 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

Phone:(800) 338-0901
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PVIC™ Instrumentation, Shielded, PVC/PVC

300V, UL Type PLTC/ITC

Product Construction

Conductor:
- 20 AWG thru 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Polyvinyl Chloride (PVC)
- Color coded: per ICEA Method 1; Triads - black, white and red. One conductor in each triad is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded triads
- Individual triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:
- Sunlight-resistant Polyvinyl Chloride (PVC)

Print:
- GENERAL CABLE® BICC® BRAND (WC) PVIC XX/STS XXAWG PVC/PVC SHIELDED (UL) TYPE PLTC OR ITC 300V 105°C SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Other constructions available upon request

Applications:
- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
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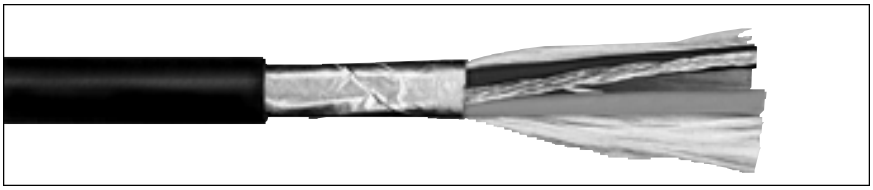
- Per NEC Article 727 for Type PLTC/ITC

Features:
- Rated at 105°C
- Good electrical properties
- Oil and sunlight resistance
- Flame-retardant
- Good mechanical properties
- Meets cold bend test at -25°C

Compliances:
- UL Type PLTC/ITC - 300V
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr) for PLTC
- UL Subject 2250 (70,000 BTU/hr) for ITC
- 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



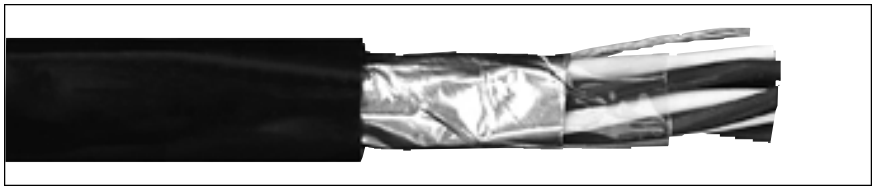
CATALOG NUMBER	NO. OF TRIADS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
INDIVIDUAL AND OVERALL SHIELDED TRIADS 20 AWG CONDUCTORS													
339870	2 TRI	20	7/.0121	0.012	0.30	0.040	1.07	0.340	8.64	26	39	59.0	87.8
339880	4 TRI	20	7/.0121	0.012	0.30	0.040	1.07	0.365	9.27	48	71	97.0	144.4
339890	8 TRI	20	7/.0121	0.012	0.30	0.050	1.27	0.566	14.38	97	144	187.4	278.9
339900	12 TRI	20	7/.0121	0.012	0.30	0.060	1.52	0.705	17.91	145	216	287.0	427.0
339910	16 TRI	20	7/.0121	0.012	0.30	0.060	1.52	0.780	19.81	192	286	365.0	543.0
339920	20 TRI	20	7/.0121	0.012	0.30	0.060	1.52	0.860	21.84	240	357	440.0	655.0
339930	24 TRI	20	7/.0121	0.012	0.30	0.070	1.78	0.955	24.26	288	429	541.0	805.0
339940	36 TRI	20	7/.0121	0.012	0.30	0.070	1.78	1.115	28.32	431	641	767.0	1141.0
INDIVIDUAL AND OVERALL SHIELDED TRIADS 18 AWG CONDUCTORS													
325870	2 TRI	18	7/.0152	0.015	0.38	0.040	1.07	0.321	8.15	38	57	77.4	115.2
339960	4 TRI	18	7/.0152	0.015	0.38	0.050	1.27	0.444	11.28	73	109	142.8	212.5
348010	8 TRI	18	7/.0152	0.015	0.38	0.060	1.52	0.691	17.55	147	219	274.8	409.0
339970	12 TRI	18	7/.0152	0.015	0.38	0.060	1.52	0.840	21.34	215	320	412.0	613.0
339980	16 TRI	18	7/.0152	0.015	0.38	0.070	1.78	0.960	24.38	286	426	550.0	819.0
339990	20 TRI	18	7/.0152	0.015	0.38	0.070	1.78	1.060	26.92	357	531	668.0	994.0
340000	24 TRI	18	7/.0152	0.015	0.38	0.070	1.78	1.145	29.08	428	637	785.0	1168.0
340010	36 TRI	18	7/.0152	0.015	0.38	0.080	2.03	1.365	34.67	641	954	1151.0	1713.0
INDIVIDUAL AND OVERALL SHIELDED TRIADS 16 AWG CONDUCTORS													
340020	2 TRI	16	7/.0192	0.015	0.38	0.040	1.07	0.367	9.32	54	80	103.5	154.0
340030	4 TRI	16	7/.0192	0.015	0.38	0.050	1.27	0.502	12.75	108	161	195.1	290.3
340040	8 TRI	16	7/.0192	0.015	0.38	0.060	1.52	0.786	19.96	218	324	374.8	557.8
340050	12 TRI	16	7/.0192	0.015	0.38	0.070	1.78	0.970	24.64	325	484	597.0	888.0
340060	16 TRI	16	7/.0192	0.015	0.38	0.070	1.78	1.075	27.31	433	644	765.0	1138.0
340070	20 TRI	16	7/.0192	0.015	0.38	0.070	1.78	1.195	30.35	541	805	933.0	1388.0
340080	24 TRI	16	7/.0192	0.015	0.38	0.080	2.03	1.310	33.27	649	966	1125.0	1674.0
340090	36 TRI	16	7/.0192	0.015	0.38	0.080	2.03	1.540	40.39	972	1447	1620.0	2411.0

Dimensions and weights are nominal; subject to industry tolerance.

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

FREP®_X Thermocouple, Shielded, EPR/CPE

300V, UL Type PLTC



CATALOG NUMBER	NO. OF PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS 16 AND 20 AWG CONDUCTORS											
33653_X	1	16	1/.0508	0.012	0.30	0.035	0.89	0.250	6.35	34	51
33654_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.320	8.13	41	61
33655_X	4	20	1/.0320	0.012	0.30	0.040	1.02	0.365	9.27	63	94
33656_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.470	11.94	110	164
33657_X	12	20	1/.0320	0.012	0.30	0.050	1.27	0.550	13.97	162	241

INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS											
33661_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.345	8.76	55	82
33662_X	4	20	1/.0320	0.012	0.30	0.050	1.27	0.415	10.54	95	141
33663_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.530	13.46	170	253
33664_X	12	20	1/.0320	0.012	0.30	0.060	1.52	0.665	16.89	247	368

* Last two digits of catalog number are THCPL type - ie 33653EX
Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:

- 20 AWG and 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket
EX	Purple	Purple
JX	White	Black
KX	Yellow	Yellow

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor.

Shield:

Overall Shielded Pairs

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

Individual and Overall Shielded Pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:

- Flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Print:

- GENERAL CABLE® BICC® BRAND (WC) FREP XX/PS or SPS XXAWG SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES THCPL EXTN Type _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Cross-Linked Polyethylene (FR-XLPE) Insulation
- Cross-Linked Chlorinated Polyethylene (XL-CPE) jacket
- Hypalon® Chlorosulfonated Polyethylene (CSPE) jacket
- Thermoplastic or thermoset Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

Applications:

- In free air and raceways in accordance with NEC
- 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 PLTC cables

Features:

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

Compliances:

- UL Type PLTC - 300V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (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

CV_X Thermocouple, Shielded, XLPE/PVC

300V, UL Type PLTC

Product Construction

Conductor:

- 20 and 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket
EX	Purple	Purple
JX	White	Black
KX	Yellow	Yellow

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor

Shield:

Overall Shielded Pairs

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

Individual and Overall Shielded Pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:

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

Print:

- GENERAL CABLE® BICC® BRAND (WC) CV_X XX/PS OR SPS XXAWG SHIELDED (UL) TYPE PLTC 300V 90˚C SUN RES THCPL EXTN TYPE _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Ethylene Propylene Rubber (FREP) insulation
- Chlorinated Polyethylene (CPE) jacket
- Cross-Linked Chlorinated Polyethylene (XL-CPE) jacket
- Hypalon® Chlorosulfonated Polyethylene (CSPE) jacket
- Thermoplastic or thermoset Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

Applications:

- In free air and raceways in accordance with NEC
- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables

Features:

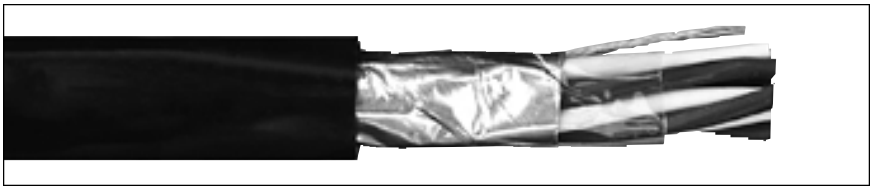
- Rated at 90˚C
- Excellent electrical properties
- Abrasion- and chemical-resistant
- Sunlight- and weather-resistant
- Meets cold bend test at -25˚C

Compliances:

- UL Type PLTC - 300V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (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 PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS 16 AND 20 AWG CONDUCTORS											
33623_X	1	16	1/.0508	0.012	0.30	0.035	0.89	0.250	6.35	34	51
33624_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.320	8.13	41	61
33625_X	4	20	1/.0320	0.012	0.30	0.040	1.02	0.365	9.27	63	94
33626_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.470	11.94	113	168
33627_X	12	20	1/.0320	0.012	0.30	0.050	1.27	0.550	13.97	163	243

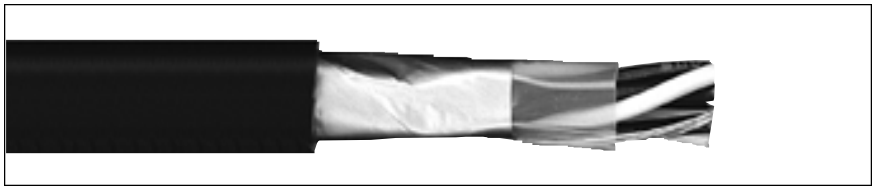
INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS											
33631_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.345	8.76	50	74
33632_X	4	20	1/.0320	0.012	0.30	0.050	1.27	0.415	10.54	86	128
33633_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.530	13.46	153	228
33634_X	12	20	1/.0320	0.012	0.30	0.060	1.52	0.665	16.89	219	326

* Last two digits of catalog number are THCPL type - ie 33623EX
Dimensions and weights are nominal; subject to industry tolerance.

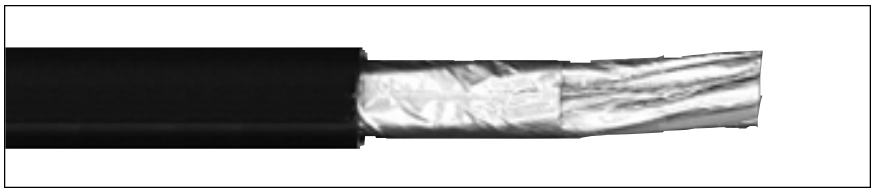
General Cable
Phone:(800) 338-0901
www.generalcable.com

PV_X Thermocouple, Shielded, PVC/PVC

300V, UL Type PLTC



CATALOG NUMBER	NO. OF PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS 16 AND 20 AWG CONDUCTORS											
33638_X	1	16	1/.0508	0.012	0.30	0.035	0.89	0.245	6.22	43	64
33639_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.320	8.13	50	74
33640_X	4	20	1/.0320	0.012	0.30	0.040	1.02	0.330	8.38	70	104
33641_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.445	11.30	127	189
33642_X	12	20	1/.0320	0.012	0.30	0.050	1.27	0.515	13.08	183	272



INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS											
33646_X	2	20	1/.0320	0.012	0.30	0.040	1.02	0.320	8.13	49	73
33647_X	4	20	1/.0320	0.012	0.30	0.040	1.02	0.365	9.27	76	113
33648_X	8	20	1/.0320	0.012	0.30	0.050	1.27	0.490	12.45	137	204
33649_X	12	20	1/.0320	0.012	0.30	0.050	1.27	0.590	14.99	198	295

* Last two digits of catalog number are THCPL type - 33638EX
Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:

- 20 and 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Polyvinyl Chloride (PVC)
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket
EX	Purple	Purple
JX	White	Black
KX	Yellow	Yellow

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor

Shield:

Overall Shielded Pairs

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

Individual and Overall Shielded Pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:

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

Print:

- GENERAL CABLE® BICC® BRAND (WC) PV_ X XX/PS OR SPS XXAWG SHIELDED (UL) TYPE PLTC 300V 105°C SUN RES THCPL EXTN TYPE _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Ethylene Propylene Rubber (FREP) insulation
- Flame-retardant Cross-Linked Polyethylene (FR-XLPE) insulation
- Chlorinated Polyethylene (CPE) jacket
- Other constructions available upon request

Applications:

- Permitted for use in Class I Division 2 industrial hazardous locations per NEC Article 501-4(b) for UL Type PLTC cables

Features:

- Rated at 105°C
- Good electrical properties
- Oil- and sunlight-resistant
- Flame-retardant
- Good mechanical properties
- Meets cold bend test at -25°C

Compliances:

- UL Type PLTC - 300V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (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

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

CH_X Thermocouple, Shielded, XLPE/HYP

600V

Product Construction

Conductor:

- 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket	UL Listed
EX	Purple	Purple	No
JX	White	Black	Yes
KX	Yellow	Yellow	No

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor

Shield:

Overall Shielded Pairs

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

Jacket:

- Low-lead Hypalon® Chlorosulfonated Polyethylene (CSPE)

Print:

- GENERAL CABLE® BICC® BRAND CH_ X XX/PS XXAWG SHIELDED 90˚C THCPL EXTN TYPE _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Ethylene Propylene Rubber (FREP) insulation
- Cross-Linked Chlorinated Polyethylene (XL-CPE) jacket
- Thermoplastic or thermoset Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

Applications:

- In free air, raceways, or direct burial in accordance with NEC
- In wet or dry locations

Features:

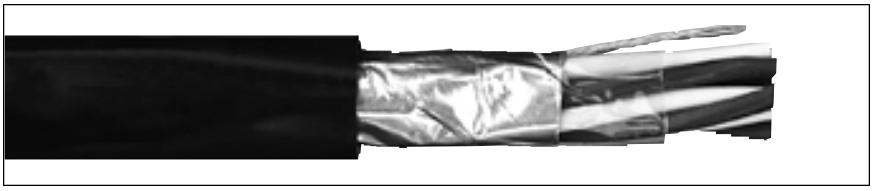
- Rated at 90˚C
- Oil-resistant jacket
- Sunlight- and weather-resistant
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent flame resistance
- Heavy duty rating per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend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

Compliances:

- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- ICEA T-29-520 (210,000 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 PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS											
16 AWG CONDUCTORS											
33600_X	1	16	1/.0508	0.025	0.64	0.045	1.14	0.341	8.66	58	86
33601_X	2	16	1/.0508	0.025	0.64	0.045	1.14	0.572	14.53	124	185
33602_X	4	16	1/.0508	0.025	0.64	0.060	1.52	0.768	19.51	215	320
33603_X	8	16	1/.0508	0.025	0.64	0.080	2.03	0.957	24.31	388	577
33604_X	12	16	1/.0508	0.025	0.64	0.080	2.03	1.150	29.21	541	805

* Last two digits of catalog number are THCPL type - 33600KX

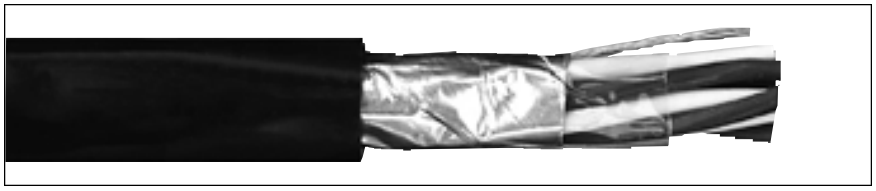
Dimensions and weights are nominal; subject to industry tolerance.

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

BICC® BRAND

FREP®_X Thermocouple, Shielded, EPR/CPE

600V, UL Type TC



CATALOG NUMBER	NO. OF PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS											
16 AND 20 AWG CONDUCTORS											
33668_X	1	16	1/.0508	0.025	0.64	0.045	1.14	0.310	7.87	47	70
33669_X	2	20	1/.0320	0.025	0.64	0.045	1.14	0.430	10.92	72	107
33670_X	4	20	1/.0320	0.025	0.64	0.045	1.14	0.460	11.68	85	126
33671_X	8	20	1/.0320	0.025	0.64	0.060	1.52	0.610	15.49	178	265
33672_X	12	20	1/.0320	0.025	0.64	0.060	1.52	0.720	18.29	224	333

INDIVIDUAL AND OVERALL SHIELDED PAIRS											
20 AWG CONDUCTORS											
33676_X	2	20	1/.0320	0.025	0.64	0.045	1.14	0.445	11.30	88	131
33677_X	4	20	1/.0320	0.025	0.64	0.045	1.14	0.500	12.70	127	189
33678_X	8	20	1/.0320	0.025	0.64	0.060	1.52	0.685	17.40	234	348
33679_X	12	20	1/.0320	0.025	0.64	0.080	2.03	0.860	21.80	347	516

* Last two digits of catalog number are THCPL type - ie 33668EX
Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:

- 20 and 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Ethylene Propylene Rubber (EPR) Type II
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket	UL Listed
EX	Purple	Purple	No
JX	White	Black	Yes
KX	Yellow	Yellow	No

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor

Shield:

Overall Shielded Pairs

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

Individual and Overall Shielded Pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:

- Flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Print:

- GENERAL CABLE® BICC® BRAND FREP XX/PS OR SPS XXAWG SHIELDED SUN RES 90˚C THCPL EXTN TYPE _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Cross-Linked Polyethylene (FR-XLPE) Insulation
- Cross-Linked Chlorinated Polyethylene (XL-CPE) jacket
- Hypalon® Chlorosulfonated Polyethylene (CSPE) jacket
- Thermoplastic or thermoset Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

Applications:

- In free air, raceways, or direct burial in accordance with NEC
- In wet or dry locations

Features:

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

Compliances:

- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (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

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

CV_X Thermocouple, Shielded, XLPE/PVC

600V, UL Type TC

Product Construction

Conductor:

- 20 and 16 AWG annealed, solid thermocouple extension grade alloys calibrated to standard limits of error per ANSI-MC96.1, latest edition

Insulation:

- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: negative conductor is red; positive conductor and overall jacket are color coded per ANSI-MC96.1 as follows:

*THCPL Type	Pos. Cond.	Overall Jacket
EX	Purple	Purple
JX	White	Black
KX	Yellow	Yellow

- In multi-pair cables, pair number is printed alpha-numerically on the positive conductor

Shield:

Overall Shielded Pairs

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

Individual and Overall Shielded Pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

Jacket:

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

Print:

- GENERAL CABLE® BICC® BRAND CV_X XX/PS OR SPS XXAWG SHIELDED (UL) TYPE TC SUN RES 90°C THCPL EXTN TYPE _X MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:

- Flame-retardant Ethylene Propylene Rubber (FREP) insulation
- Chlorinated Polyethylene (CPE) jacket
- Cross-Linked Chlorinated Polyethylene (XL-CPE) jacket
- Hypalon® Chlorosulfonated Polyethylene (CSPE) jacket
- Thermoplastic or thermoset Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

Applications:

- In free air, raceways, or direct burial in accordance with NEC
- In wet or dry locations

Features:

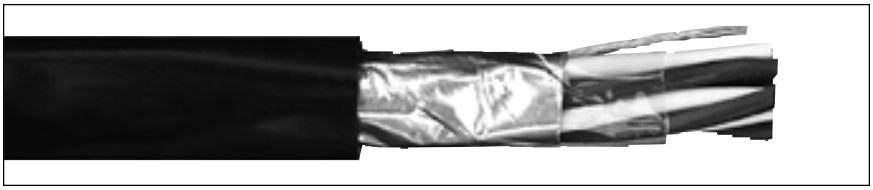
- Rated at 90°C
- Excellent electrical properties
- Abrasion- and chemical-resistant
- Sunlight- and weather-resistant
- Meets cold bend test at -25°C

Compliances:

- ICEA S-82-552 - 600V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- IEEE 383 (70,000 BTU/hr)
- UL Subject 13 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable
- UL subject 1277

Packaging:

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



CATALOG NUMBER	NO. OF PAIRS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km
OVERALL SHIELDED PAIRS 16 AND 20 AWG CONDUCTORS											
33608_X	1	16	1/.0508	0.025	0.64	0.045	1.14	0.310	7.87	46	68
33609_X	2	20	1/.0320	0.025	0.64	0.045	1.14	0.445	11.30	55	82
33610_X	4	20	1/.0320	0.025	0.64	0.045	1.14	0.460	11.68	83	124
33611_X	8	20	1/.0320	0.025	0.64	0.060	1.52	0.610	15.49	160	238
33612_X	12	20	1/.0320	0.025	0.64	0.060	1.52	0.720	18.29	217	323

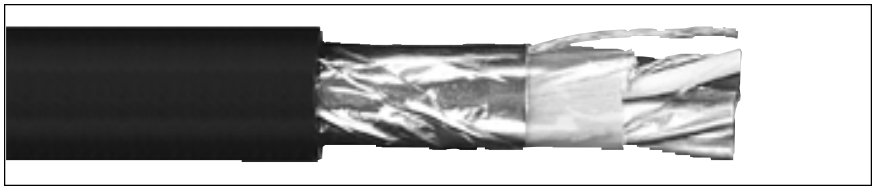
INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS											
33616_X	2	20	1/.0320	0.025	0.64	0.045	1.14	0.430	10.92	66	98
33617_X	4	20	1/.0320	0.025	0.64	0.045	1.14	0.500	12.70	105	156
33618_X	8	20	1/.0320	0.025	0.64	0.060	1.52	0.685	17.40	216	321
33619_X	12	20	1/.0320	0.025	0.64	0.080	2.03	0.860	21.84	308	458

* Last two digits of catalog number are THCPL type - ie 33608EX
Dimensions and weights are nominal; subject to industry tolerance.

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

CHTC™ Instrumentation, Shielded, XLPE/HYP

600V, UL Type TC



CATALOG NUMBER	NO. OF PAIRS/ TRIADS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS													
337610	1	18	7/.0152	0.030	0.76	0.045	1.14	0.315	8.00	12.5	18.60	54	80
337620	1 TRI	18	7/.0152	0.030	0.76	0.045	1.14	0.335	8.51	17.6	26.19	64	95
337630	2	18	7/.0152	0.030	0.76	0.045	1.14	0.515	13.08	27.8	41.52	114	193
337640	4	18	7/.0152	0.030	0.76	0.060	1.52	0.640	16.26	53.3	79.32	199	296
337650	8	18	7/.0152	0.030	0.76	0.080	2.03	0.830	21.08	104.3	155.22	340	506
337660	12	18	7/.0152	0.030	0.76	0.080	2.03	1.045	26.54	155.2	230.97	528	786
337670	16	18	7/.0152	0.030	0.76	0.080	2.03	1.155	29.34	206.3	307.02	663	987
337680	20	18	7/.0152	0.030	0.76	0.080	2.03	1.280	32.51	253.7	377.56	800	1191
337690	24	18	7/.0152	0.030	0.76	0.080	2.03	1.385	35.18	308.3	458.81	941	1400
337700	36	18	7/.0152	0.030	0.76	0.110	2.79	1.630	41.40	461.3	686.51	1429	2127
337710	50	18	7/.0152	0.030	0.76	0.110	2.79	1.915	48.64	640.0	952.45	1901	2829
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
240900	1	16	7/.0192	0.030	0.76	0.045	1.14	0.340	8.64	19.9	29.62	68	101
241510	1 TRI	16	7/.0192	0.030	0.76	0.045	1.14	0.355	9.02	28.0	41.67	130	193
241010	2	16	7/.0192	0.030	0.76	0.060	1.52	0.595	15.11	45.8	68.16	140	208
232560	4	16	7/.0192	0.030	0.76	0.060	1.52	0.695	17.65	83.6	124.41	216	321
241000	8	16	7/.0192	0.030	0.76	0.080	2.03	0.900	22.96	163.3	242.99	380	566
252370	12	16	7/.0192	0.030	0.76	0.080	2.03	1.135	28.83	243.8	362.75	577	859
337720	16	16	7/.0192	0.030	0.76	0.080	2.03	1.260	32.00	304.2	452.71	728	1083
337730	20	16	7/.0192	0.030	0.76	0.080	2.03	1.395	35.43	380.0	565.81	881	1311
337740	24	16	7/.0192	0.030	0.76	0.080	2.03	1.510	38.35	455.1	677.28	1039	1546
337750	36	16	7/.0192	0.030	0.76	0.110	2.79	1.845	46.86	681.6	1014.36	1576	2345
337760	50	16	7/.0192	0.030	0.76	0.110	2.79	2.095	53.21	945.8	1407.54	2105	3133

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

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

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs/triads
- Individual pairs/triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire.

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CHTC XX/SPS/STS XXAWG SHIELDED XLP/HYP SHIELDED (UL) TYPE TC 600V 90˚C DRY 90˚C WET SUN RES OIL RES I & II MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductor
- Class C stranding
- 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 accordance with NEC
- 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
- Oil-resistant jacket
- Sunlight- and weather-resistant
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent flame resistance
- "Heavy duty" rating per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35˚C

Compliances:
- UL Type RFH-2, FFH-2, VW-1 conductors
- UL Type TC - 600V
- ICEA S-73-532
- ICEA S-82-552-600V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- 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

FREP® Instrumentation, Shielded, EPR/CPE

600V, UL Type TC

Product Construction

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

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) type II
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:

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

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) FREP XX/PS/TS XXAWG EPR/CPE SHIELDED UL TYPE TC 90˚C EWT ORDRY 600V DIR BUR SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

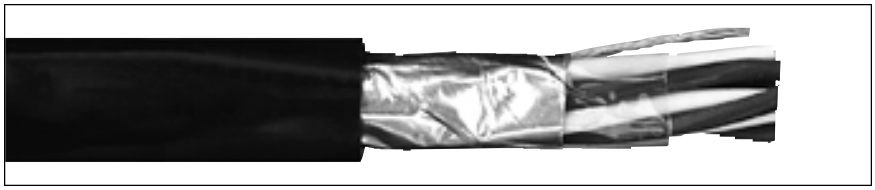
Options:
- Bare copper conductor
- Class C stranding
- Cross-Linked Polyethylene (XLPE) insulation
- FREP XL-flame-retardant, thermoset Chlorinated Polyethylene (XL-CPE) jacket
- FREP II-flame-retardant, thermoplastic Low-Smoke, Zero-Halogen (LSZH) polyolefin jacket
- FREP II-XL-flame-retardant, thermoset Low-Smoke, Zero-Halogen (XL-LSZH) polyolefin jacket
- FREP 300V-UL Type PLTC
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial in accordance with NEC
- 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 compression cuts
- Excellent flame resistance - burns to an ash; does not exhibit thermoplastic drip
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35˚C

Compliances:
- UL Type TC - 600V
- ICEA S-82-552 - 600V
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- 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 PAIRS/ TRIADS	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 PAIRS/TRIADS 18 AWG CONDUCTORS													
287650	1	18	7/.0152	0.025	0.64	0.045	1.14	0.300	7.62	12.5	18.60	42	63
337000	1 TRI	18	7/.0152	0.025	0.64	0.045	1.14	0.316	8.03	17.6	26.19	53	79
337010	2	18	7/.0152	0.025	0.64	0.045	1.14	0.462	11.73	23.1	34.38	75	112
337020	4	18	7/.0152	0.025	0.64	0.045	1.14	0.518	13.16	43.9	65.33	117	174
337030	8	18	7/.0152	0.025	0.64	0.060	1.52	0.692	17.58	85.5	127.24	224	333
337040	12	18	7/.0152	0.025	0.64	0.060	1.52	0.810	20.57	127.1	189.15	312	464
294580	16	18	7/.0152	0.025	0.64	0.080	2.03	0.949	24.10	168.7	251.06	430	640
337050	20	18	7/.0152	0.025	0.64	0.080	2.03	0.989	25.12	210.3	312.67	510	759
337060	24	18	7/.0152	0.025	0.64	0.080	2.03	1.118	28.40	252.0	375.03	604	899
337070	36	18	7/.0152	0.025	0.64	0.080	2.03	1.266	32.16	376.8	560.75	849	1263
337080	50	18	7/.0152	0.025	0.64	0.080	2.03	1.454	36.93	522.5	777.58	1137	1692
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
314960	1	16	7/.0192	0.025	0.64	0.045	1.14	0.324	8.23	18.4	27.58	52	77
279690	1 TRI	16	7/.0192	0.025	0.64	0.045	1.14	0.342	8.69	26.4	39.23	66	98
283170	2	16	7/.0192	0.025	0.64	0.045	1.14	0.506	12.85	36.3	54.04	95	141
283180	4	16	7/.0192	0.025	0.64	0.060	1.52	0.603	15.32	69.2	103.00	171	254
337090	8	16	7/.0192	0.025	0.64	0.060	1.52	0.759	19.28	135.3	201.35	294	438
283190	12	16	7/.0192	0.025	0.64	0.080	2.03	0.932	23.67	201.8	300.31	446	664
337100	16	16	7/.0192	0.025	0.64	0.080	2.03	1.043	26.49	268.3	399.28	568	845
337110	20	16	7/.0192	0.025	0.64	0.080	2.03	1.087	27.61	334.8	498.25	680	1012
337120	24	16	7/.0192	0.025	0.64	0.080	2.03	1.232	31.29	401.3	597.21	807	1201
337130	36	16	7/.0192	0.025	0.64	0.080	2.03	1.398	35.51	600.8	894.11	1147	1707
337140	50	16	7/.0192	0.025	0.64	0.080	2.03	1.609	40.87	833.6	1240.56	1547	2302

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
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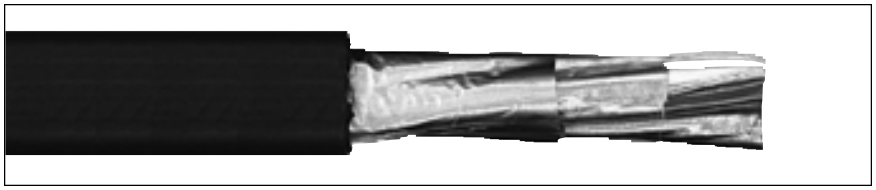
FREP® Instrumentation, Shielded, EPR/CPE

600V, UL Type TC



CATALOG NUMBER	NO. OF PAIRS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS													
279700	2	18	7/.0152	0.025	0.64	0.045	1.14	0.473	12.01	27.4	40.72	83	124
279710	4	18	7/.0152	0.025	0.64	0.060	1.52	0.586	14.88	52.5	78.15	152	226
279720	8	18	7/.0152	0.025	0.64	0.060	1.52	0.751	19.08	102.6	152.65	259	385
279730	12	18	7/.0152	0.025	0.64	0.080	2.03	0.948	24.08	153.1	227.87	398	592
279740	16	18	7/.0152	0.025	0.64	0.080	2.03	1.050	26.67	206.3	307.02	502	747
319270	20	18	7/.0152	0.025	0.64	0.080	2.03	1.137	28.88	253.7	377.56	603	897
279750	24	18	7/.0152	0.025	0.64	0.080	2.03	1.254	31.85	303.5	451.73	709	1055
337240	36	18	7/.0152	0.025	0.64	0.080	2.03	1.474	37.44	461.3	686.51	1008	1500
337250	50	18	7/.0152	0.025	0.64	0.110	2.79	1.759	44.68	640.0	952.45	1454	2164
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
280500	2	16	7/.0192	0.025	0.64	0.045	1.14	0.516	13.11	39.6	58.86	103	153
280520	4	16	7/.0192	0.025	0.64	0.060	1.52	0.637	16.18	76.9	114.46	189	281
280540	8	16	7/.0192	0.025	0.64	0.060	1.52	0.821	20.85	151.2	225.08	330	491
279760	12	16	7/.0192	0.025	0.64	0.080	2.03	1.037	26.34	226.3	336.81	506	753
280990	16	16	7/.0192	0.025	0.64	0.080	2.03	1.151	29.24	304.7	453.43	643	957
337260	20	16	7/.0192	0.025	0.64	0.080	2.03	1.248	31.70	380.0	565.52	777	1156
279770	24	16	7/.0192	0.025	0.64	0.080	2.03	1.378	35.00	455.1	677.28	916	1363
288260	36	16	7/.0192	0.025	0.64	0.080	2.03	1.624	41.25	682.7	1015.92	1312	1953
288250	50	16	7/.0192	0.025	0.64	0.110	2.79	1.934	49.12	945.8	1407.54	1883	2802

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

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

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) type II
- Color coded: per ICEA Method 1; Pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs
- Individual pairs are 100% individually shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

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

Options:
- Bare copper conductor
- Class C stranding
- 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) polyolefin jacket
- FREP II-XL-flame-retardant, thermoset Low-Smoke, Zero-Halogen (XL-LSZH) polyolefin jacket
- FREP 300V-UL Type PLTC
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial in accordance with NEC
- 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 compression cuts
- Excellent flame resistance - burns to an ash; does not exhibit thermoplastic drip
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -35˚C

Compliances:
- UL Type TC - 600V
- ICEA S-82-552 - 600V
- IEEE 1202 (70,000 BTU/hr)/ CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)
- 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

FREP® Instrumentation, Shielded, EPR/CPE

600V, UL Type TC

Product Construction

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

Insulation:
- Flame-retardant Ethylene Propylene Rubber (EPR) type II
- Color coded: per ICEA Method 1; Triads - black, white and red. One conductor in each triad is printed alpha-numerically for easy identification

Shield:

Individual and overall shielded triads
- Individual triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) FREP XX/STS XXAWG EPR/CPE SHIELDED UL Type TC 90˚C WET OR DRY 600V DIR BUR SUN RES MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper conductor
- Class C stranding
- 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) polyolefin jacket
- FREP II-flame-retardant, thermoset Low-Smoke, Zero-Halogen (XL-LSZH) polyolefin jacket
- FREP 300V-UL Type PLTC
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Compliances:
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- ICEA S-82-552 - 600V
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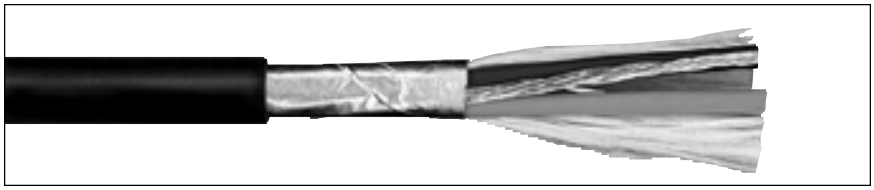
- IEEE 383 (70,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

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



CATALOG NUMBER	NO. OF TRIADS	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
INDIVIDUAL AND OVERALL SHIELDED TRIADS 18 AWG CONDUCTORS													
337150	2 TRI	18	7/.0152	0.025	0.64	0.060	1.52	0.560	14.22	38.2	56.85	127	189
319250	4 TRI	18	7/.0152	0.025	0.64	0.060	1.52	0.655	16.64	73.2	108.94	201	299
319260	8 TRI	18	7/.0152	0.025	0.64	0.080	2.03	0.885	22.48	144.1	214.45	365	543
337160	12 TRI	18	7/.0152	0.025	0.64	0.080	2.03	1.065	27.05	217.7	323.98	547	814
294540	16 TRI	18	7/.0152	0.025	0.64	0.080	2.03	1.180	29.97	289.5	430.83	693	1031
337170	20 TRI	18	7/.0152	0.025	0.64	0.080	2.03	1.310	33.27	361.3	537.69	841	1252
337180	24 TRI	18	7/.0152	0.025	0.64	0.080	2.03	1.415	35.94	433.1	644.54	985	1466
337190	36 TRI	18	7/.0152	0.025	0.64	0.080	2.03	1.665	42.29	648.5	965.10	1407	2094
INDIVIDUAL AND OVERALL SHIELDED TRIADS 16 AWG CONDUCTORS													
280950	2 TRI	16	7/.0192	0.025	0.64	0.060	1.52	0.615	15.62	56.7	84.32	159	237
280960	4 TRI	16	7/.0192	0.025	0.64	0.060	1.52	0.725	18.42	107.8	160.35	261	388
280970	8 TRI	16	7/.0192	0.025	0.64	0.080	2.03	0.975	24.77	216.8	322.61	530	789
287410	12 TRI	16	7/.0192	0.025	0.64	0.080	2.03	1.180	29.97	327.8	487.83	721	1073
337200	16 TRI	16	7/.0192	0.025	0.64	0.080	2.03	1.310	33.27	436.4	649.45	922	1372
337210	20 TRI	16	7/.0192	0.025	0.64	0.080	2.03	1.455	36.96	544.9	810.92	1121	1668
337220	24 TRI	16	7/.0192	0.025	0.64	0.080	2.03	1.575	40.01	653.4	972.39	1323	1969
337230	36 TRI	16	7/.0192	0.025	0.64	0.110	2.79	1.920	48.77	979.0	1456.95	2012	2994

Dimensions and weights are nominal; subject to industry tolerance.

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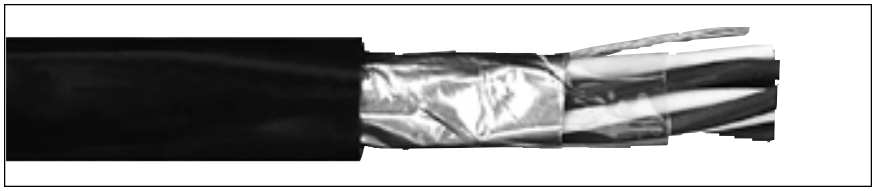
Arctic-Flex™ Instrumentation, Shielded, XLPE/ARCTIC-PVC

600V, UL Type TC, CSA Type CIC



CATALOG NUMBER	NO. OF PAIRS/ TRIADS	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 PAIRS/TRIADS 18 AWG CONDUCTORS													
347630	1 TRI	18	7/.0152	0.030	0.76	0.045	1.14	0.340	8.64	17.6	26.19	57	85
347640	2	18	7/.0152	0.030	0.76	0.045	1.14	0.480	12.19	23.1	34.38	77	115
347650	4	18	7/.0152	0.030	0.76	0.045	1.14	0.560	14.22	43.9	65.33	126	188
347660	8	18	7/.0152	0.030	0.76	0.060	1.52	0.750	19.05	85.5	127.24	233	347
347670	12	18	7/.0152	0.030	0.76	0.080	2.03	0.915	23.24	127.1	189.15	328	488
347680	16	18	7/.0152	0.030	0.76	0.080	2.03	1.025	26.04	168.7	251.06	476	708
347690	20	18	7/.0152	0.030	0.76	0.080	2.03	1.070	27.18	210.3	312.67	540	804
347700	24	18	7/.0152	0.030	0.76	0.080	2.03	1.210	30.73	252.0	375.03	638	949
347710	36	18	7/.0152	0.030	0.76	0.080	2.03	1.370	34.80	376.8	560.75	897	1335
347720	50	18	7/.0152	0.030	0.76	0.080	2.03	1.575	40.01	522.5	777.58	1202	1789
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
347730	1 TRI	16	7/.0192	0.030	0.76	0.045	1.14	0.360	9.14	26.6	39.59	71	106
347740	2	16	7/.0192	0.030	0.76	0.045	1.14	0.525	13.34	35.5	52.83	96	143
347750	4	16	7/.0192	0.030	0.76	0.060	1.52	0.650	16.51	68.8	102.39	177	263
347760	8	16	7/.0192	0.030	0.76	0.060	1.52	0.855	21.72	135.3	201.35	329	490
347770	12	16	7/.0192	0.030	0.76	0.080	2.03	1.000	25.40	201.8	300.31	465	692
347780	16	16	7/.0192	0.030	0.76	0.080	2.03	1.120	28.45	268.3	399.28	595	885
347790	20	16	7/.0192	0.030	0.76	0.080	2.03	1.170	29.72	334.8	498.25	708	1054
347800	24	16	7/.0192	0.030	0.76	0.080	2.03	1.325	33.66	401.3	597.21	834	1241
347810	36	16	7/.0192	0.030	0.76	0.080	2.03	1.505	38.23	600.8	894.11	1191	1772
347820	50	16	7/.0192	0.030	0.76	0.110	2.79	1.790	45.47	833.6	1240.56	1598	3278

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 18 AWG and 16 AWG tinned, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color Coded: per ICEA Method 1; pairs - black and white. Triads - black, white, and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Overall Shielded Pairs/Triads
- Overall Shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
GENERAL CABLE® BICC® BRAND (WC) (UL) TYPE TC ARCTIC-FLEX FR-XLP/PVC XX PS/TS XX AWG SHIELDED 90C WET OR DRY SUN RES DIR BUR 600V - CSA TYPE CIC SHIELDED INSTRUMENTATION CABLE XLPE 90C WET OR DRY -40 FT-4 PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper
- Class C stranding
- E-2 Color Code
- CSA Rated TC for 14 AWG and larger
- Other constructions available upon request

Applications:
- Industrial lighting, control, and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire

Features:
- Rated 90˚C wet or dry
- Sunlight- and weather-resistant
- Meets CSA cold impact test at -40˚C
- Meets ICEA and CSA cold bend test at -65˚C

Compliances:
- UL Subject 1277 Type TC
- CSA Standard C22.2 No. 239 Type CIC
- CSA Standard C22.2 No. 230 Type TC for 14 AWG and larger
- CSA Standard C22.2 No. 0.3 (70,000 BTU/hr) FT-4 Flame Test
- UL Subject 1581 (70,000 BTU/hr) Vertical Tray 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 out on non-returnable wood reels

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

Arctic-Flex™ Instrumentation, Shielded, XLPE/ARCTIC-PVC

600V, UL Type TC, CSA Type CIC

Product Construction

Conductor:
- 18 AWG and 16 AWG tinned, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color Coded: per ICEA Method 1; pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Individual and Overall Shielded Pairs
- Individual pairs are 100% shielded with Flexfoil aluminum/polyester in contact with stranded tinned copper drain wire
- Overall Shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
GENERAL CABLE® BICC® BRAND (WC) (UL) TYPE TC ARCTIC-FLEX FR-XLP/PVC XX PS/TS XX AWG SHIELDED 90C WET OR DRY SUN RES DIR BUR 600V - CSA TYPE CIC SHIELDED INSTRUMENTATION CABLE XLPE 90C WET OR DRY -40 FT-4 PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Bare copper
- Class C stranding
- E-2 Color Code
- CSA Rated TC for 14 AWG and larger
- Other constructions available upon request

Applications:
- Industrial lighting, control, and signaling circuits
- Primary installations in cable trays, raceways or outdoor applications where supported by a messenger wire

Features:
- Rated 90˚C wet or dry
- Sunlight- and weather-resistant
- Meets CSA cold impact test at -40˚C
- Meets ICEA and CSA cold bend test at -65˚C

Compliances:
- UL Subject 1277 Type TC
- CSA Standard C22.2 No. 239 Type CIC
- CSA Standard C22.2 No. 230 Type TC for 14 AWG and larger
- CSA Standard C22.2 No. 0.3 (70,000 BTU/hr) FT-4 Flame Test
- UL Subject 1581 (70,000 BTU/hr) Vertical Tray 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 out on non-returnable wood reels

CATALOG NUMBER	NO. OF PAIRS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS													
347830	2	18	7/.0152	0.030	0.76	0.045	1.14	0.515	13.08	30	45	93	138
347840	4	18	7/.0152	0.030	0.76	0.060	1.52	0.640	16.26	55	82	167	248
347850	8	18	7/.0152	0.030	0.76	0.060	1.52	0.830	21.08	105	156	304	460
347860	12	18	7/.0152	0.030	0.76	0.080	2.03	1.045	26.54	156	232	449	668
347870	16	18	7/.0152	0.030	0.76	0.080	2.03	1.155	29.34	207	308	504	839
347880	20	18	7/.0152	0.030	0.76	0.080	2.03	1.280	32.51	252	375	681	1013
347890	24	18	7/.0152	0.030	0.76	0.080	2.03	1.385	35.18	302	449	794	1182
347900	36	18	7/.0152	0.030	0.76	0.080	2.03	1.630	41.40	452	673	1122	1670
347910	50	18	7/.0152	0.030	0.76	0.110	2.79	1.915	48.64	682	935	1624	2417
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
347920	2	16	7/.0192	0.030	0.76	0.060	1.52	0.595	15.11	42	63	132	196
347930	4	16	7/.0192	0.030	0.76	0.060	1.52	0.695	17.65	80	119	212	315
347940	8	16	7/.0192	0.030	0.76	0.060	1.52	0.900	22.86	155	231	395	588
347950	12	16	7/.0192	0.030	0.76	0.080	2.03	1.135	28.83	230	342	578	860
347960	16	16	7/.0192	0.030	0.76	0.080	2.03	1.260	32.00	306	455	733	1091
347970	20	16	7/.0192	0.030	0.76	0.080	2.03	1.395	35.43	375	558	888	1321
347980	24	16	7/.0192	0.030	0.76	0.080	2.03	1.510	38.35	456	679	1040	1548
347990	36	16	7/.0192	0.030	0.76	0.110	2.79	1.845	46.86	674	1003	1588	2363
348000	50	16	7/.0192	0.030	0.76	0.110	2.79	2.095	53.21	635	1391	2147	3195

Dimensions and weights are nominal; subject to industry tolerance.

General Cable
Phone:(800) 338-0901
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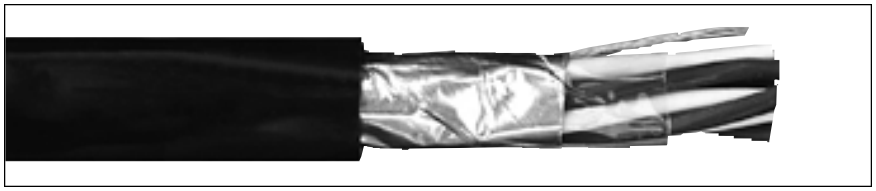
CVTC™ Instrumentation, Shielded, XLPE/PVC

600V, UL Type TC



CATALOG NUMBER	NO. OF PAIRS/ TRIADS	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 PAIRS/TRIADS 18 AWG CONDUCTORS													
337270	1 TRI	18	7/.0152	0.030	0.76	0.045	1.14	0.340	8.64	17.6	26.19	58	86
337360	2	18	7/.0152	0.030	0.76	0.045	1.14	0.480	12.19	23.1	34.38	79	118
337280	4	18	7/.0152	0.030	0.76	0.045	1.14	0.560	14.22	43.9	65.33	127	189
337290	8	18	7/.0152	0.030	0.76	0.060	1.52	0.750	19.05	85.5	127.24	235	350
337300	12	18	7/.0152	0.030	0.76	0.080	2.03	0.915	23.24	127.1	189.15	331	493
337310	16	18	7/.0152	0.030	0.76	0.080	2.03	1.025	26.04	168.7	251.06	461	686
337320	20	18	7/.0152	0.030	0.76	0.080	2.03	1.070	27.18	210.3	312.67	545	811
337330	24	18	7/.0152	0.030	0.76	0.080	2.03	1.210	30.73	252.0	375.03	644	958
337340	36	18	7/.0152	0.030	0.76	0.080	2.03	1.370	34.80	376.8	560.75	906	1348
337360	50	18	7/.0152	0.030	0.76	0.080	2.03	1.575	40.01	522.5	777.58	1208	1798
OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
319870	1 TRI	16	7/.0192	0.030	0.76	0.045	1.14	0.360	9.14	26.6	39.59	72	107
337370	2	16	7/.0192	0.030	0.76	0.045	1.14	0.525	13.34	35.5	52.83	98	146
337380	4	16	7/.0192	0.030	0.76	0.060	1.52	0.650	16.51	68.8	102.39	179	266
337390	8	16	7/.0192	0.030	0.76	0.060	1.52	0.855	21.72	135.3	201.35	332	494
337400	12	16	7/.0192	0.030	0.76	0.080	2.03	1.000	25.40	201.8	300.31	470	699
337410	16	16	7/.0192	0.030	0.76	0.080	2.03	1.120	28.45	268.3	399.28	601	894
337420	20	16	7/.0192	0.030	0.76	0.080	2.03	1.170	29.72	334.8	498.25	715	1064
337430	24	16	7/.0192	0.030	0.76	0.080	2.03	1.325	33.66	401.3	597.21	842	1253
337440	36	16	7/.0192	0.030	0.76	0.080	2.03	1.505	38.23	600.8	894.11	1197	1781
337450	50	16	7/.0192	0.030	0.76	0.110	2.79	1.790	45.47	833.6	1240.56	1606	2390

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Overall shielded pairs/triads
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CVTC XX/PS/TS XXAWG FR-XLP/PVC SHIELDED (UL)TYPE TC 90˚C WET OR DRY DIR BUR SUN RES 600V MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Ethylene Propylene Rubber (EPR) insulation
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial in accordance with NEC
- 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 TC - 600V
- ICEA S-73-532
- ICEA S-82-552-600V
- 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

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

CVTC™ Instrumentation, Shielded, XLPE/PVC

600V, UL Type TC

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Cross-Linked Polyethylene (XLPE)
- Color coded: per ICEA Method 1; Pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs
- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) CVTC XX/SPS XXAWG FR-XLP/PVC SHIELDED (UL)TYPE TC 90˚C WET OR DRY DIR BUR SUN RES 600V PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Ethylene Propylene Rubber (EPR) insulation
- Other constructions available upon request

Applications:
- In free air, raceways, or direct burial in accordance with NEC
- 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 TC - 600V
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- 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 PAIRS	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
INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS													
319820	2	18	7/.0152	0.030	0.76	0.045	1.14	0.515	13.08	27.8	41.37	95	141
319840	4	18	7/.0152	0.030	0.76	0.060	1.52	0.640	16.26	53.3	52.53	170	253
319850	8	18	7/.0152	0.030	0.76	0.060	1.52	0.830	21.08	104.3	155.22	312	464
337460	12	18	7/.0152	0.030	0.76	0.080	2.03	1.045	26.54	155.2	230.97	454	676
337470	16	18	7/.0152	0.030	0.76	0.080	2.03	1.155	29.34	206.3	307.02	570	848
337480	20	18	7/.0152	0.030	0.76	0.080	2.03	1.280	32.51	253.7	377.56	688	1024
337490	24	18	7/.0152	0.030	0.76	0.080	2.03	1.385	35.18	308.3	458.81	802	1194
337500	36	18	7/.0152	0.030	0.76	0.080	2.03	1.630	41.40	461.3	686.51	1133	1686
337510	50	18	7/.0152	0.030	0.76	0.110	2.79	1.915	48.64	640.0	952.45	1632	2429
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
337520	2	16	7/.0192	0.030	0.76	0.060	1.52	0.595	15.11	40.1	59.68	135	201
337530	4	16	7/.0192	0.030	0.76	0.060	1.52	0.695	17.65	77.9	115.93	214	318
337540	8	16	7/.0192	0.030	0.76	0.060	1.52	0.900	22.86	153.1	227.84	399	594
337550	12	16	7/.0192	0.030	0.76	0.080	2.03	1.135	28.83	229.1	340.95	584	869
337560	16	16	7/.0192	0.030	0.76	0.080	2.03	1.260	32.00	304.2	452.71	740	1101
337570	20	16	7/.0192	0.030	0.76	0.080	2.03	1.395	35.43	380.0	565.52	897	1335
337580	24	16	7/.0192	0.030	0.76	0.080	2.03	1.510	38.35	455.1	677.28	1051	1564
337590	36	16	7/.0192	0.030	0.76	0.110	2.79	1.845	46.86	681.6	1014.36	1604	2387
337600	50	16	7/.0192	0.030	0.76	0.110	2.79	2.095	53.21	945.8	1407.54	2158	3212

Dimensions and weights are nominal; subject to industry tolerance.

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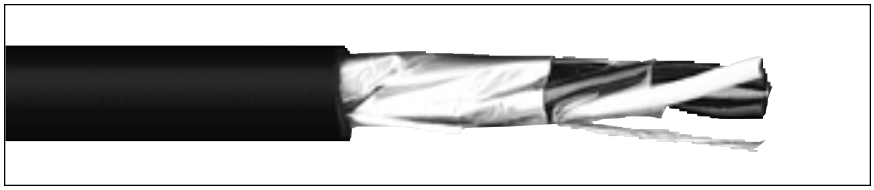
VNTC® Instrumentation, Shielded, PVC/Nylon/PVC

600V, UL Type TC



CATALOG NUMBER	NO. OF PAIRS	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 PAIRS 18 AWG CONDUCTORS													
235020	1	18	7/.0152	0.020	0.51	0.045	1.14	0.280	7.11	12.49	18.59	41	61
235910	2	18	7/.0152	0.020	0.51	0.045	1.14	0.440	11.18	23.05	34.30	72	107
319740	3	18	7/.0152	0.020	0.51	0.045	1.14	0.465	11.81	33.48	49.83	90	134
235980	4	18	7/.0152	0.020	0.51	0.045	1.14	0.505	12.83	44.00	65.48	110	164
336830	5	18	7/.0152	0.020	0.51	0.060	1.52	0.570	14.48	55.00	81.85	144	214
336840	7	18	7/.0152	0.020	0.51	0.060	1.52	0.585	14.86	90.51	134.70	177	263
230760	12	18	7/.0152	0.020	0.51	0.060	1.52	0.770	19.56	127.30	189.45	277	412
270970	16	18	7/.0152	0.020	0.51	0.080	2.03	0.905	22.99	168.00	250.02	387	576
336850	20	18	7/.0152	0.020	0.51	0.080	2.03	0.940	23.88	210.00	312.52	455	677
230750	24	18	7/.0152	0.020	0.51	0.080	2.03	1.055	26.80	252.00	375.03	532	792
230800	36	18	7/.0152	0.020	0.51	0.080	2.03	1.190	30.23	377.55	561.87	739	1100
336860	50	18	7/.0152	0.020	0.51	0.080	2.03	1.360	34.54	524.51	780.58	999	1487
OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
230830	1	16	7/.0192	0.020	0.51	0.045	1.14	0.300	7.62	19.75	29.39	52	77
238410	2	16	7/.0192	0.020	0.51	0.045	1.14	0.470	11.94	36.51	54.33	93	138
239200	3	16	7/.0192	0.020	0.51	0.045	1.14	0.505	12.83	52.96	78.82	117	174
230790	4	16	7/.0192	0.020	0.51	0.060	1.52	0.575	14.61	69.27	103.09	160	238
336870	5	16	7/.0192	0.020	0.51	0.060	1.52	0.610	15.49	127.85	190.27	190	283
336880	7	16	7/.0192	0.020	0.51	0.060	1.52	0.630	16.00	117.25	174.49	239	356
244590	12	16	7/.0192	0.020	0.51	0.060	1.52	0.825	20.96	201.00	299.13	370	551
244610	16	16	7/.0192	0.020	0.51	0.080	2.03	0.970	24.64	266.71	396.92	513	763
336890	20	16	7/.0192	0.020	0.51	0.080	2.03	1.010	25.65	337.16	501.76	628	935
230780	24	16	7/.0192	0.020	0.51	0.080	2.03	1.135	28.83	397.60	591.71	740	1101
230820	36	16	7/.0192	0.020	0.51	0.080	2.03	1.285	32.64	595.48	886.19	1040	1548
230810	50	16	7/.0192	0.020	0.51	0.080	2.03	1.470	37.34	825.68	1228.78	1396	2078

Dimensions and weights are nominal; subject to industry tolerance.

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Polyvinyl Chloride (PVC) with clear polyamide (nylon)
- Color coded: per ICEA Method 1; Pairs - black and white. One conductor in each pair is printed alpha-numerically for easy identification

Shield:
Overall shielded pairs
- 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) VN-TC XX/PS XXAWG SHIELDED (UL) TYPE TC 600V TFN SUNRES DIR BUR MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- 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 ULTYPE TC cables

Features:
- Rated at 90˚C dry, 75˚C wet
- Provides sunlight, cold bend and cold impact resistance
- Offer the smallest cable O.D.'s available for suitable applications
- Provides excellent oil and chemical resistance
- Provides a long service life
- 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
- OSHA acceptable

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

BICC® BRAND

UL LISTED

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VNTC® Instrumentation, Shielded, PVC/Nylon/PVC

600V, UL Type TC

Product Construction

Conductor:
- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Polyvinyl Chloride (PVC) with clear polyamide (nylon)
- Color coded: per ICEA Method 1; Pairs - black and white. Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs/triads
- Individual pairs/triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- Overall shield is Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire

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

Print:
- GENERAL CABLE® BICC® BRAND (WC) VN-TC XX/SPS/STS XXAWG SHIELDED (UL) TYPE TC 600V TFN SUN RES DIR BUR PLUS MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

Options:
- Tinned copper conductor
- Class C stranding
- Other constructions available upon request

Applications:
- In raceways or direct burial in accordance with NEC
- 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:
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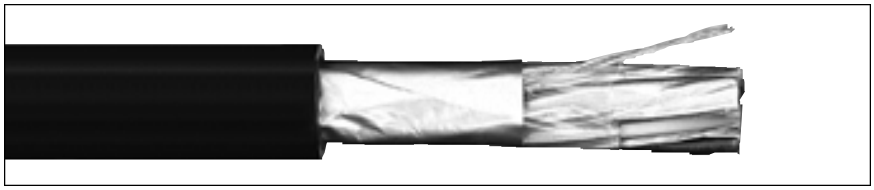

CATALOG NUMBER	NO. OF PAIRS/ TRIADS	COND. (AWG) SIZE	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/km	lbs/ 1000ft	kg/km
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS													
239210	1 TRI	18	7/.0152	0.020	0.51	0.045	1.14	0.290	7.37	17.53	26.09	48	71
235970	2	18	7/.0152	0.020	0.51	0.045	1.14	0.445	11.30	27.55	41.00	84	125
336900	3	18	7/.0152	0.020	0.51	0.045	1.14	0.480	12.19	40.00	59.53	106	158
235900	4	18	7/.0152	0.020	0.51	0.045	1.14	0.555	14.10	52.90	78.73	145	216
336910	5	18	7/.0152	0.020	0.51	0.060	1.52	0.580	14.73	66.55	99.04	169	252
336920	7	18	7/.0152	0.020	0.51	0.060	1.52	0.650	16.51	90.51	134.70	219	326
241020	12	18	7/.0152	0.020	0.51	0.060	1.52	0.845	21.46	154.30	229.63	350	521
336930	16	18	7/.0152	0.020	0.51	0.080	2.03	0.960	24.38	206.88	307.88	475	707
336940	20	18	7/.0152	0.020	0.51	0.080	2.03	1.050	26.67	256.20	381.28	575	856
241030	24	18	7/.0152	0.020	0.51	0.080	2.03	1.130	28.70	305.96	455.33	670	997
243880	36	18	7/.0152	0.020	0.51	0.080	2.03	1.345	34.16	460.87	685.87	957	1424
256300	50	18	7/.0152	0.020	0.51	0.080	2.03	1.550	39.37	640.00	952.45	1278	1902
INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS													
230840	1 TRI	16	7/.0192	0.020	0.51	0.045	1.14	0.315	8.00	27.80	41.37	61	91
237180	2	16	7/.0192	0.020	0.51	0.045	1.14	0.495	12.57	43.60	64.89	105	156
235990	3	16	7/.0192	0.020	0.51	0.045	1.14	0.520	13.21	63.63	94.69	137	204
237160	4	16	7/.0192	0.020	0.51	0.045	1.14	0.600	15.24	84.21	125.32	188	280
336950	5	16	7/.0192	0.020	0.51	0.060	1.52	0.655	16.64	105.25	156.63	224	333
336960	7	16	7/.0192	0.020	0.51	0.060	1.52	0.710	18.03	150.52	224.00	290	432
242870	12	16	7/.0192	0.020	0.51	0.060	1.52	0.940	23.88	244.20	363.42	498	741
237130	16	16	7/.0192	0.020	0.51	0.080	2.03	1.055	26.80	324.00	482.18	635	945
277820	20	16	7/.0192	0.020	0.51	0.080	2.03	1.155	29.34	406.54	605.01	768	1143
242860	24	16	7/.0192	0.020	0.51	0.080	2.03	1.260	32.00	486.25	723.64	903	1344
243890	36	16	7/.0192	0.020	0.51	0.080	2.03	1.480	37.59	731.80	1089.07	1290	1920
244600	50	16	7/.0192	0.020	0.51	0.080	2.03	1.775	45.09	1010.81	1504.28	1842	2741

Dimensions and weights are nominal; subject to industry tolerance.

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