

Overall Shield

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 and 22 AWG Stranded (7x32 and 7x30) Tinned Copper Conductors • Cabled in Quads[†] • 24 AWG Stranded Tinned Copper Drain Wire																		
PVC Insulation (22 AWG) / Polyethylene Insulation (24 AWG) • Chrome PVC Jacket																		
350V RMS 80°C VW-1	8787	—	10: 4 Shld 24 (7x32)	Gray, White, Blue, Green	U-500 500	U-152.4 152.4	24.0 22.5	10.9 10.3	.012 .012	.30 .30	.030 .030	.76 .76	.290 .290	7.37 7.37	—	—	—	—
			4 Shld 24 (7x32)	Brown, Red, Yellow, Orange						.012	.30							
			2 Unshld 22 (7x30)	White, Blue						.015	.38							
	Z-Fold®																	

[†] Each quad wrapped in transparent polyester tape. Red Beldfoil® shield over one quad, Green Beldfoil shield over the other. (2) quads and (2) unshielded conductors cabled.

24 and 22 AWG Stranded (7x32 and 7x30) Tinned Copper Conductors • (4) Conductors Cabled^{††} • 22 AWG Stranded TC Drain Wire

PVC Insulation • Chrome PVC Jacket																		
300V 90°C NEC Article 800	8786	NEC: CM	6: 4 Shld 24 (7x32)	Black, Green, Red, Yellow	U-500 500	U-152.4 152.4	17.0 16.5	7.8 7.5	.015 .015	.38 .38	.028 .028	.71 .71	.236 .236	5.99 5.99	—	—	—	—
				2 Unshld 22 (7x30)														
				Blue, White														

^{††} (4) conductors cabled under 100% Beldfoil shield; (2) conductors unshielded.

22 AWG Stranded (7x30) TC Conductors • (3) Conductors Cabled and Separately Beldfoil® Shielded (100% Coverage) with Drain Wires[▲]

PVC Insulation • Chrome PVC Jacket																		
300V RMS 60°C VW-1	8788	NEC: CM	5: 3 Shld	Black, Red, Green	500	152.4	15.5	7.1	.015	.38	.028	.71	.236	5.99	34	112	—	—
				2 Unshld*														
				Yellow, Blue														

* (2) Unshielded conductors cabled around a non-hygroscopic filler.

[▲] Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil shield coverage.

22 AWG Triads Stranded (7x30) Tinned Copper Conductors • Cabled in Triads[•] • 22 AWG Stranded Tinned Copper Drain Wire

Polypropylene Insulation • Overall Chrome PVC Jacket																		
300V RMS 80°C VW-1	9772	—	36 (12 triads)	Black, Red, Green, Triads w/Color Coded Jackets	500	152.4	139.0	63.2	.008	.20	.060	1.52	.725	18.42	34	112	67	220

[•] Each triad shielded with 100% Beldfoil shield and drain wire, encased in a .020" white PVC jacket with color coded stripes.

TC = Tinned Copper

* Capacitance between conductors.

** Nominal capacitance conductor to conductor and shield.

⚠ Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

UL Instrumentation Cable**300V Power-Limited Tray Cables****Industrial Grade Sunlight- and Oil-Resistant Jackets**

Description	Part No.	No. of Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

20 AWG Triads Stranded (19x32) Tinned Copper Conductors • Twisted Triads**Unshielded • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9492	1	E1	U-500 U-1000	U-152.4 U-304.8	15.5 29.0	7.0 13.2	.037 .94	.225 5.72	46 205	2.25 57.15
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Rip Cord

Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9364	1	E1	U-500 U-1000	U-152.4 U-304.8	17.0 32.0	7.7 14.5	.037 .94	.228 5.79	46 205	2.25 57.15
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Rip Cord

Drain Wire

20 AWG Triads Stranded (7x28) Bare Copper Conductors • Twisted Triads**Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (See chart below for other options)**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	1526A	1	E1	10000 [†]	3048.0	310.0	140.6	.037 .94	.215 5.46	42 187	2.20 55.88
	3017A	2	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.360 9.14	97 432	3.60 91.44
	3020A	4	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.470 11.94	174 774	4.75 120.65
	3021A	8	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.560 14.22	330 1468	5.00 127.00
	3022A	12	E1	Bulk ^{††}	Bulk	—	—	.066 1.68	.710 18.03	485 2158	7.00 177.80
	3023A	16	E1	Bulk ^{††}	Bulk	—	—	.064 1.63	.821 20.85	600 2669	7.75 196.85
	3024A	24	E1	Bulk ^{††}	Bulk	—	—	.074 1.88	1.031 26.19	920 4093	9.25 234.95



Rip Cord

Drain Wire

Communication Wire

Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (Other options below)

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	3018A	2	E1	Bulk ^{††}	Bulk	—	—	.055 1.40	.372 9.45	102 454	3.75 95.25
	1083A	4	E1	10000 [†]	3048.0	1410.8	640.9	.053 1.35	.451 11.46	228 1014	4.50 114.30
	1084A	8	E1	7500 [†]	2286.0	1755.0	796.1	.064 1.63	.575 10.81	432 1922	5.75 146.05
	1085A	12	E1	5000 [†]	1524.0	1735.0	787.0	.064 1.63	.714 18.14	636 2829	7.15 181.61
	1092A	16	E1	Bulk ^{††}	Bulk	—	—	.064 1.63	.793 20.14	841 3741	7.90 200.66
	1086A	24	E1	2500 [†]	762.0	1602.5	726.9	.074 1.88	.992 25.20	1250 5561	9.90 251.46
	3067A	36	E1	Bulk ^{††}	Bulk	—	—	.074 1.88	1.292 32.82	1875 6273	13.00 330.20



Rip Cord

Drain Wires

Communication Wire

[†]Final put-up length may vary ±10% from length shown.^{††}Bulk = Check length available for specific construction.

E1 = Refer to Technical Information section for color code.

Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

Conductor, Insulation and Jacket Options****To Specify:**

1234	A	E
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired

Bare	Tinned	Insulation/Jacket
A	B	PVC/PVC
C	D	XLPE/PVC
K	L	TPE/TPE
Q	R	XLPE/CPE
S	T	XLPE/Haloarrest®

**For 1000 and 3000 Series cables only.

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UL Instrumentation Cable

300V Power-Limited Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part No.	No. of Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

18 AWG Triads Stranded (19x30) Tinned Copper Conductors • Twisted Triads

Unshielded • PVC Insulation • Chrome PVC Jacket

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9493	1	E1	U-500 U-1000	U-152.4 U-304.8	20.0 38.0	9.1 17.2	.037 .94	.242	6.15	62	276	2.25	57.15
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Rip Cord

Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket

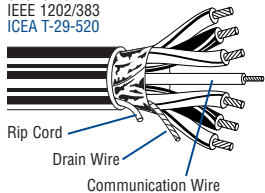
NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9365	1	E1	U-500 U-1000	U-152.4 U-304.8	22.0 43.0	10.0 19.5	.037 .94	.245	6.22	74	329	2.50	63.50
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Rip Cord
Drain Wire

18 AWG Triads Stranded (7x26) Bare Copper Conductors • Twisted Triads

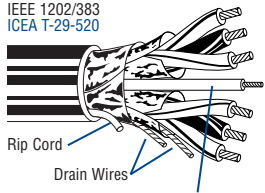
Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (See chart below for other options)

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520 	1036A	1	E1	1000 10000 †	304.8 3048.0	43.0 430.0	19.5 195.1	.037 .94	.236	5.99	90	400	2.40	60.96	
	3027A	2	E1	Bulk ††	Bulk	—	—	.055	1.40	.420	10.67	165	734	4.25	107.95
	3030A	4	E1	Bulk ††	Bulk	—	—	.055	1.40	.521	13.20	240	1068	4.50	114.30
	3032A	8	E1	Bulk ††	Bulk	—	—	.064	1.63	.580	14.70	501	2229	5.75	146.05
	3036A	16	E1	Bulk ††	Bulk	—	—	.077	1.96	.900	22.86	1050	4671	9.00	228.60
	3038A	24	E1	Bulk ††	Bulk	—	—	.077	1.96	1.020	25.91	1450	6450	10.25	260.35

Rip Cord
Drain Wire
Communication Wire

Individually Shielded + Overall Beldfoil (100% Coverage) • PVC Insulation • Black PVC Jacket (Other options below)

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	3028A	2	E1	Bulk ††	Bulk	—	—	.055	1.40	.450	11.43	175	779	4.50	114.30
	3031A	4	E1	Bulk ††	Bulk	—	—	.053	1.35	.533	13.50	255	1134	5.25	133.35
	3033A	8	E1	Bulk ††	Bulk	—	—	.064	1.63	.654	16.50	560	2491	6.50	165.10
	3068A	12	E1	Bulk ††	Bulk	—	—	.063	1.60	.840	21.30	800	3559	8.50	215.90
	3037A	16	E1	Bulk ††	Bulk	—	—	.074	1.88	.974	24.70	1320	5872	10.50	266.70
	3039A	24	E1	Bulk ††	Bulk	—	—	.074	1.88	1.200	30.50	1620	7207	11.25	285.75

Rip Cord
Drain Wires
Communication Wire

E1 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

††Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options**

To Specify:			Bare	Tinned	Insulation/Jacket
1234	A	E	A	B	PVC/PVC
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired	C	D	XLPE/PVC
			K	L	TPE/TPE
			Q	R	XLPE/CPE
			S	T	XLPE/Haloarrest®

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UL Instrumentation Cable

300V Power-Limited Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part No.	No. of Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

16 AWG Triads Stranded (19x29) Tinned Copper Conductors • Twisted Triads**Unshielded • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9494	1	E1	U-500 U-1000	U-152.4 U-304.8	24.5 48.0	11.1 21.8	.037 .94	.268 6.81	91 405	2.75 69.85
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Rip Cord

Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	9366	1	E1	U-500 U-1000	U-152.4 U-304.8	27.5 54.0	12.5 24.5	.037 .94	.270 6.86	116 516	2.75 69.85
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Rip Cord
Drain Wire**16 AWG Triads** Stranded (7x24) Bare Copper Conductors • Twisted Triads**Unshielded • PVC Insulation • Black PVC Jacket** (See chart below for other options)

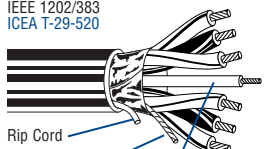
NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	1034A	1	E1	1000 4000 †	304.8 1219.2	51.0 208.0	23.2 94.4	.037 .94	.268 6.81	107 476	2.75 69.85
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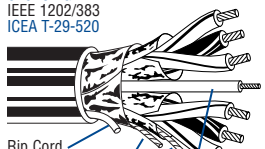
Rip Cord

Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (See chart below for other options)

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520  Rip Cord	1031A	1	E1	1000 10000 †	304.8 3048.0	58.0 610.0	26.4 276.7	.037 .94	.271 6.88	130 578	2.75 69.85				
	3044A	2	E1	Bulk ††	Bulk	—	—	.053	1.35	.483	12.27	259	1152	4.75	120.65
	3046A	4	E1	Bulk ††	Bulk	—	—	.053	1.35	.570	14.40	473	2104	5.75	146.05
	3048A	8	E1	Bulk ††	Bulk	—	—	.063	1.60	.760	19.30	902	4013	7.50	190.50
	3052A	16	E1	Bulk ††	Bulk	—	—	.074	1.88	1.032	26.21	1758	7821	11.25	285.75
	3054A	24	E1	Bulk ††	Bulk	—	—	.074	1.88	1.180	29.90	2615	11633	11.75	298.45

Rip Cord
Drain Wire
Communication Wire**Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Black PVC Jacket** (Options below)

NEC: PLTC, ITC, CMG CEC: CMG FT4 IEEE 1202/383 ICEA T-29-520	3045A	2	E1	Bulk ††	Bulk	—	—	.053	1.35	.506	12.80	304	1352	5.00	127.00
	3047A	4	E1	Bulk ††	Bulk	—	—	.053	1.35	.569	14.45	563	2505	6.00	152.40
	3049A	8	E1	Bulk ††	Bulk	—	—	.064	1.63	.764	19.41	1081	4809	8.00	203.20
	3069A	12	E1	Bulk ††	Bulk	—	—	.074	1.88	.998	25.35	1500	6673	10.00	254.00
	3053A	16	E1	Bulk ††	Bulk	—	—	.074	1.88	1.150	29.20	2117	9418	11.50	292.10
	3055A	24	E1	Bulk ††	Bulk	—	—	.084	2.13	1.320	33.53	3153	14026	13.25	336.55

Rip Cord
Drain Wires
Communication Wire

E1 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

††Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options**

To Specify:			Bare	Tinned	Insulation/Jacket
1234	A	E	A	B	PVC/PVC
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired	C	D	XLPE/PVC
			K	L	TPE/TPE
			Q	R	XLPE/CPE
			S	T	XLPE/Haloarrest®

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UL Instrumentation Cable

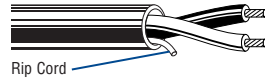
300V Power-Limited Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

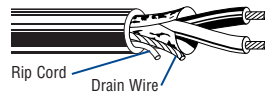
Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

14 AWG Pairs Stranded (42x30) Tinned Copper Conductors • Twisted Pairs**Unshielded • PVC Insulation • Chrome PVC Jacket**

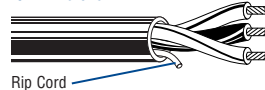
NEC: PLTC, ITC, CL3R CEC: FT4 IEEE 1202/383 ICEA T-29-520	9411	1	E2	U-500 1000	U-152.4 304.8	28.0 60.0	12.7 27.3	.042	1.07	.322	8.18	124	552	3.25	82.55
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**Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket**

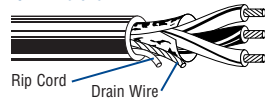
NEC: PLTC, ITC, CL3R CEC: FT4 IEEE 1202/383 ICEA T-29-520	9314	1	E2	U-500 1000	U-152.4 304.8	32.5 66.0	14.7 29.9	.042	1.07	.324	8.23	140	623	3.25	82.55
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**14 AWG Triads** Stranded (42x30) Tinned Copper Conductors • Twisted Triads**Unshielded • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CL3R CEC: FT4 IEEE 1202/383 ICEA T-29-520	9495	1	E1	500 1000	152.4 304.8	43.5 86.0	19.7 39.0	.042	1.07	.340	8.64	186	827	3.50	88.90
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**Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CL3R CEC: FT4 IEEE 1202/383 ICEA T-29-520	9367	1	E1	500 1000	152.4 304.8	43.5 88.0	19.7 40.0	.042	1.07	.343	8.71	188	836	3.50	88.90
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E1, E2 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

UL Instrumentation Cable

300V Power-Limited Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

12 AWG Pairs Stranded (65x30) Tinned Copper Conductors • Twisted Pairs**Unshielded • PVC Insulation • Chrome PVC Jacket**

NEC: PLTC, ITC, CL3R	9412	1	E2	500	152.4	41.5	18.8	.042	1.07	.370	9.40	197	876	4.25	107.95
CEC: FT4				1000	304.8	83.0	37.7								
IEEE 1202/383 ICEA T-29-520															



Rip Cord

Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket

NEC: PLTC, ITC, CL3R	9312	1	E2	500	152.4	49.0	22.3	.042	1.07	.373	9.47	225	1001	4.25	107.95
CEC: FT4				1000	304.8	96.0	43.6								
IEEE 1202/383 ICEA T-29-520															



Rip Cord

Drain Wire

12 AWG Triads Stranded (7x20) Bare Copper Conductors • Twisted Triads**Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Black PVC Jacket** (See chart below for other options)

NEC: PLTC, ITC, CL3R	3102A	1	E1	Bulk †	Bulk	—	—	.053	1.35	.432	11.00	315	1401	3.50	88.90
CEC: FT4															
IEEE 1202/383 ICEA T-29-520															



Rip Cord

Drain Wire

E1, E2 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

†Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options**

To Specify:			Bare	Tinned	Insulation/Jacket
1234	A	E	A	B	PVC/PVC
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired	C	D	XLPE/PVC
			K	L	TPE/TPE
			Q	R	XLPE/CPE
			S	T	XLPE/Haloarrest®

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UL Instrumentation Cable

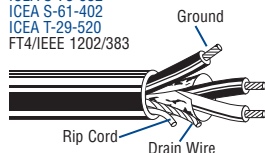
600V Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

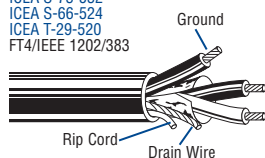
Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

18 AWG Pairs Stranded (7x26) Bare Copper Conductors • Twisted Pairs**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (Green Ground)**

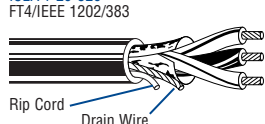
NEC: TC-ER, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3088AE	1	E1	1000 5000 †	3048.0 1524.0	63.0 320.0	28.6 145.3	.048	1.22	.340	8.64	80	356	3.40	86.36
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**Overall Beldfoil Shield (100% Coverage) • XLPE Insulation • Black PVC Jacket (Green Ground)**

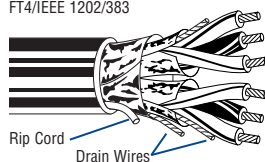
NEC: TC-ER, NPLF ICEA S-73-532 ICEA S-66-524 ICEA T-29-520 FT4/IEEE 1202/383	3088CE	1	E1	1000 5000 †	3048.0 1524.0	66.0 375.0	30.0 170.3	.048	1.22	.340	8.64	80	356	3.40	86.36
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**18 AWG Triads** Stranded (7x26) Bare Copper Conductors • Twisted Triads**Overall Beldfoil® Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (See chart below for other options)**

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	1121A	1	E2	500 †	152.4	27.5	12.5	.048	1.22	.282	7.16	90	400	2.75	69.85
				1000 †	304.8	53.0	24.0								
				10000 †	3048.0	560.0	254.0								

**Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (Options below)**

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3064A	2	E1	Bulk ††	Bulk	—	—	.048	1.22	.493	12.52	185	823	4.75	120.65
	1093A	4	E1	7500 †	2286.0	1545.0	700.8	.063	1.60	.577	14.66	347	1544	6.00	152.40
	1094A	8	E1	5000 †	1524.0	1755.0	796.1	.063	1.60	.745	18.92	672	2989	7.50	190.50
	1095A	12	E1	2500 †	762.0	1320.0	598.8	.084	2.13	.944	23.98	997	4435	9.75	247.65
				5000 †	1524.0	2875.0	1304.1								
	3066A	16	E1	Bulk ††	Bulk	—	—	.084	2.13	1.046	26.57	1322	5881	10.50	266.70



E1, E2 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

††Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options

To Specify:		
1234	A	E
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired

Bare	Tinned	Insulation/Jacket
A	B	PVC-Nylon/PVC
C	D	XLPE/PVC
E	F	FRPO/PVC
G	H	XLPE/TPE
K	L	TPE/TPE
M	N	PVC-Nylon/Oil Res II
Q	R	XLPE/CPE
S	T	XLPE/Haloarrest®

UL Instrumentation Cable

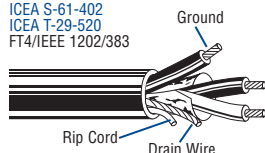
600V Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

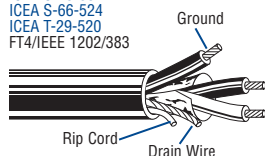
Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

16 AWG Pairs Stranded (7x24) Bare Copper Conductors • Twisted Pairs**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (Green Ground)**

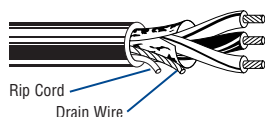
NEC: TC-ER, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3090AE	1	E1	1000 5000 †	304.8 1524.0	65.0 340.0	29.5 154.4	.048	1.22	.390	9.91	130	578	3.90	99.06
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**Overall Beldfoil Shield (100% Coverage) • XLPE Insulation • Black PVC Jacket (Green Ground)**

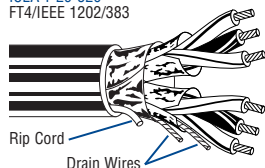
NEC: TC-ER, NPLF ICEA S-73-532 ICEA S-66-524 ICEA T-29-520 FT4/IEEE 1202/383	3090CE	1	E1	1000 5000 †	3048.0 1524.0	81.0 450.0	39.8 204.3	.048	1.22	.390	9.91	130	578	3.90	99.06
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**16 AWG Triads** Stranded (7x24) Bare Copper Conductors • Twisted Triads**Overall Beldfoil® Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (See chart below for other options)**

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	1119A	1	E2	500 †	152.4	35.0	15.9	.047	1.19	.310	7.87	129	574	3.10	78.74
				1000 †	304.8	68.0	30.9								
				10000 †	3048.0	700.0	317.5								
	3091A	1	E1	10000 †	3048.0	750.0	340.2	.047	1.19	.310	7.87	129	574	3.10	78.74

**Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket (Options below)**

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	1097A	4	E1	5000 †	1524.0	1415.0	641.8	.063	1.60	.640	16.26	554	2464	6.40	162.56
	1098A	8	E1	2500 †	762.0	1350.0	612.4	.085	2.16	.872	22.15	1072	4768	8.70	220.98
	1099A	12	E1	2500 †	762.0	1875.0	850.5	.085	2.16	1.047	26.59	1590	7073	10.50	266.70
	3118A	16	E1	Bulk ††	Bulk	—	—	.084	2.13	1.234	31.34	1771	7878	12.25	311.15
	1100A	24	E1	Bulk ††	Bulk	—	—	.085	2.16	1.434	36.42	3144	13985	14.30	363.22
	3130A	36	E1	Bulk ††	Bulk	—	—	.110	2.79	1.773	45.03	3600	16013	18.00	457.20



E1, E2 = Refer to Technical Information section for color code.

Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

††Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options

To Specify:			Bare	Tinned	Insulation/Jacket
1234 Start with Part No. Add or replace letter code for desired conductor, insulation & jacket Add for Exposed Run rating if desired	A	E	A	B	PVC-Nylon/PVC
			C	D	XLPE/PVC
			E	F	FRPO/PVC
			G	H	XLPE/TPE
			K	L	TPE/TPE
			M	N	PVC-Nylon/Oil Res II
			Q	R	XLPE/CPE
			S	T	XLPE/Haloarrest®

UL Instrumentation Cable

600V Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

14 AWG Pairs Stranded (42x30) Tinned Copper Conductors • Twisted Pairs**Unshielded • PVC/Nylon Insulation • Black PVC Jacket**

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	9488	1	E2	1000	304.8	77.0	34.9	.048	1.22	.359	9.12	107	476	3.75	95.25
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Rip Cord

Overall Beldfoil® Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	9343	1	E2	500 1000	152.4 304.8	42.5 86.0	19.1 39.0	.048	1.22	.358	9.09	160	712	3.75	95.25
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Rip Cord

Drain Wire

14 AWG Pairs Stranded (7x22) Bare Copper Conductors • Twisted Pairs**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket** (See chart below for other options)

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3080A	1	E1	Bulk*	Bulk*	—	—	.048	1.22	.342	8.69	160	712	3.50	88.90
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Rip Cord

Drain Wire

14 AWG Triads Stranded (7x22) Bare Copper Conductors • Twisted Triads**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket** (See chart below for other options)

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3081A	1	E1	Bulk*	Bulk*	—	—	.048	1.22	.361	9.17	200	890	3.50	88.90
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Rip Cord

Drain Wire

E1, E2 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

*Bulk = Check length available for specific construction.

To Specify:

1234	A	E
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired

Conductor, Insulation and Jacket Options**

Bare	Tinned	Insulation/Jacket
A	B	PVC-Nylon/PVC
C	D	XLPE/PVC
E	F	FRPO/PVC
G	H	XLPE/TPE
K	L	TPE/TPE
M	N	PVC-Nylon/Oil Res II
Q	R	XLPE/CPE
S	T	XLPE/Haloarrest®

**For 1000 and 3000 Series cables only.

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UL Instrumentation Cable

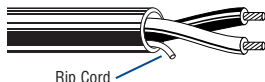
600V Tray Cables

Industrial Grade Sunlight- and Oil-Resistant Jackets

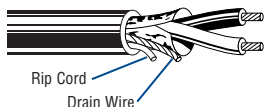
Description	Part No.	No. of Pairs/Triads	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

12 AWG Pairs Stranded (37x27) Tinned Copper Conductors • Twisted Pairs**Unshielded • PVC/Nylon Insulation • Black PVC Jacket**

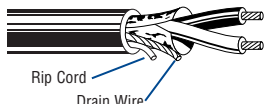
NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	9489	1	E2	1000	304.8	88.0	39.9	.045	1.14	.380	9.65	170	756	3.75	95.25
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**Overall Beldfoil® Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket**

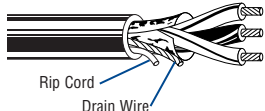
NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	9344	1	E2	500 1000	152.4 304.8	54.0 111.0	24.5 50.4	.045	1.14	.384	9.75	253	1125	3.75	95.25
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**12 AWG Pairs** Stranded (7x20) Bare Copper Conductors • Twisted Pairs**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket** (See chart below for other options)

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3103A	1	E1	Bulk*	Bulk*	—	—	.048	1.22	.380	9.65	253	1125	3.80	96.52
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**12 AWG Triads** Stranded (7x20) Bare Copper Conductors • Twisted Triads**Overall Beldfoil Shield (100% Coverage) • PVC/Nylon Insulation • Black PVC Jacket** (See chart below for other options)

NEC: TC, NPLF ICEA S-73-532 ICEA S-61-402 ICEA T-29-520 FT4/IEEE 1202/383	3104A	1	E1	Bulk*	Bulk*	—	—	.048	1.22	.401	10.19	315	1401	4.00	101.60
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E1, E2 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

*Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options**

To Specify:			Bare	Tinned	Insulation/Jacket
1234	A	E	A	B	PVC-Nylon/PVC
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired	C	D	XLPE/PVC
			E	F	FRPO/PVC
			G	H	XLPE/TPE
			K	L	TPE/TPE
			M	N	PVC-Nylon/Oil Res II
			Q	R	XLPE/CPE
			S	T	XLPE/Haloarrest®

**For 1000 and 3000 Series cables only.

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For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

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CSA Instrumentation & Thermocouple Tray Cable

300V TC/CIC

Paired and Triad Constructions

Cable Specifications

- CSA C22.2 #239 Control and Instrumentation
- CSA C22.2 #230 Type TC
- CSA FT4 70,000 BTU Flame Test
- PVC Insulation 90°C Dry & 75°C Wet
- XLPE Insulation Optional 90°C Dry and Wet
- -40°C Cold Bend, -25°C Cold Impact
- -25°C Installation temp
- Per CEC Part 1, Suitable for use in hazardous locations:
Class 1 – Zone 2
Class 2 – Division 2
- Sun Res/UV resistant
- Direct Burial

To Create a Part Number

Add suffixes for Conductor, Insulation and Jacket Type and Shielding as shown below:

A = Bare Copper Conductor or Thermocouple alloy, PVC insulation, PVC Jacket

B = Tinned Copper Conductor, PVC Insulation, PVC Jacket

C = Bare Copper Conductor or Thermocouple alloy, XLPE Insulation, PVC Jacket

D = Tinned Copper Conductor, XLPE Insulation, PVC Jacket

1 = Overall Foil Shield + Drain Wire

2 = Individual and Overall Foil Shield + Drain Wire

Sample Part Number:

22001B2 = 300V, 2-Pair 20 AWG Tinned Copper Conductor cable with PVC Insulation, PVC Jacket, with Individual and Overall Foil Shields plus Drain Wire

Thermocouple Color Codes

ANSI Symbol	Jacket Color	Insulation Color Code	
		Positive (+)	Negative (-)
EX	Purple	Purple	Red
JX	Black	White	Red
KX	Yellow	Yellow	Red
TX	Blue	Blue	Red

Copper Color Codes

Pairs/Triads	Color Combination
Pairs	Black & White
Triads	Black, White & Red

No. of Pairs	Part Numbers				
	7 Strand Copper	Solid EX Chromel/Constantan	Solid JX Iron/Constantan	Solid KX Chromel/Alumel	Solid TX Copper/Constantan
20 AWG					
1	22000	21100	21114	21128	21142
2	22001	21101	21115	21129	21143
4	22002	21102	21116	21130	21144
6	22003	21103	21117	21131	21145
8	22004	21104	21118	21132	21146
10	22005	21105	21119	21133	21147
12	22006	21106	21120	21134	21148
16	22007	21107	21121	21135	21149
20	22008	21108	21122	21136	21150
24	22009	21109	21123	21137	21151
30	22010	21110	21124	21138	21152
36	22011	21111	21125	21139	21153
40	22012	21112	21126	21140	21154
50	22013	21113	21127	21141	21155
18 AWG					
1	22027	21156	21170	21184	21198
2	22028	21157	21171	21185	21199
4	22029	21158	21172	21186	21200
6	22030	21159	21173	21187	21201
8	22031	21160	21174	21188	21202
10	22032	21161	21175	21189	21203
12	22033	21162	21176	21190	21204
16	22034	21163	21177	21191	21205
20	22035	21164	21178	21192	21206
24	22036	21165	21179	21193	21207
30	22037	21166	21180	21194	21208
36	22038	21167	21181	21195	21209
40	22039	21168	21182	21196	21210
50	22040	21169	21183	21197	21211
16 AWG					
1	22054	21212	21226	21240	21254
2	22055	21213	21227	21241	21255
4	22056	21214	21228	21242	21256
6	22057	21215	21229	21243	21257
8	22058	21216	21230	21244	21258
10	22059	21217	21231	21245	21259
12	22060	21218	21232	21246	21260
16	22061	21219	21233	21247	21261
20	22062	21220	21234	21248	21262
24	22063	21221	21235	21249	21263
30	22064	21222	21236	21250	21264
36	22065	21223	21237	21251	21265
40	22066	21224	21238	21252	21266
50	22067	21225	21239	21253	21267

Triad Constructions, Copper Conductor

No. of Triads	Part Numbers		
	20 AWG (7 Strand)	18 AWG (7 Strand)	16 AWG (7 Strand)
1	22014	22041	22068
2	22015	22042	22069
4	22016	22043	22070
6	22017	22044	22071
8	22018	22045	22072
10	22019	22046	22073
12	22020	22047	22074
16	22021	22048	22075
20	22022	22049	22076
24	22023	22050	22077
30	22024	22051	22078
36	22025	22052	22079

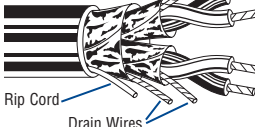
CSA Instrumentation Cable

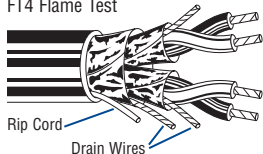
300V CIC

Belden offers a complete line of high performance and high quality CSA certified instrumentation cables (300V/600V and CIC/ACIC). These cables are designed to minimize noise and signal interference to deliver clean signals in harsh petrochemical, pulp and paper and process industry environments, as well as for use in general manufacturing operations.

Contact Belden Customer Service for other options:

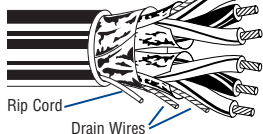
- 150V
- XLPE insulation (add D suffix to part number)
- Thermocouple alloy conductors
- Overall foil shield only
- Other pair and triad counts

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD		
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	
20 AWG Pairs Stranded (7x28) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)									
PVC Insulation • Black PVC Jacket (Color Code: Black and White with Numbers)									
 Rip Cord Drain Wires	CSA C22.2#239, Type CIC	22671*	1	71	106	.045	1.14	.260	6.60
	CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22638	2	143	213	.045	1.14	.400	10.16
		22639	4	217	323	.045	1.14	.460	11.68
		22640	6	320	476	.045	1.14	.570	14.48
		22641	8	405	603	.060	1.52	.610	15.49
		22676	12	573	853	.060	1.52	.730	18.54
		22643	16	722	1076	.060	1.52	.810	20.57
		22647	24	1103	1641	.080	2.03	1.040	26.42
		22670	36	1548	2304	.080	2.03	1.190	30.23



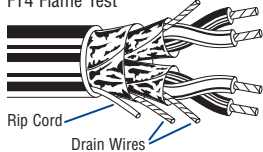
-25°C Installed
-40°C to +105°C (Dry) (75°C Wet)

20 AWG Triads Stranded (7x28) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)								
PVC Insulation • Black PVC Jacket (Color Code: Black, White and Red with Numbers)								
CSA C22.2#239, Type CIC	22660*	1	89	132	.045	1.14	.270	6.86
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22662	2	177	263	.045	1.14	.420	10.67
	22663	4	277	412	.045	1.14	.490	12.45
	22672	8	521	775	.060	1.52	.650	16.51
	22673	16	1000	1488	.080	2.03	.910	23.11
	22674	24	1414	2104	.080	2.03	1.110	28.19



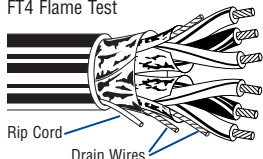
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

18 AWG Pairs Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)								
PVC Insulation • Black PVC Jacket (Color Code: Black and White with Numbers)								
CSA C22.2#239, Type CIC	22645*	1	97	144	.045	1.14	.300	7.62
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22633	2	196	292	.045	1.14	.480	12.19
	22648	4	338	503	.045	1.14	.580	14.73
	22634	6	473	704	.060	1.52	.670	17.02
	22635	8	570	848	.060	1.52	.730	18.54
	22636	12	869	1293	.060	1.52	.920	23.37
	22654	16	1095	1630	.080	2.03	1.020	25.91
	22637	24	1552	2310	.080	2.03	1.260	32.00



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

18 AWG Triads Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)								
PVC Insulation • Black PVC Jacket (Color Code: Black, White and Red with Numbers)								
CSA C22.2#239, Type CIC	22677*	1	121	180	.045	1.14	.303	7.70
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22678	2	256	381	.045	1.14	.480	12.19
	22679	4	427	636	.060	1.52	.620	15.75
	22680	8	597	888	.060	1.52	.710	18.03
	22681	16	740	1101	.060	1.52	.770	19.56
	22682	24	1130	1682	.080	2.03	.980	24.89
	22683	16	1436	2137	.080	2.03	1.090	27.69
	22684	24	2049	3049	.080	2.03	1.340	34.04



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

*One pair/triad cables have one shield and drain wire

TC = Tinned Copper

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Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

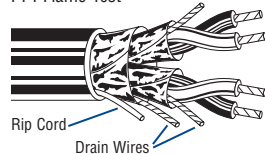
CSA Instrumentation Cable

300V CIC

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm

16 AWG Pairs Stranded (7x24) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

CSA C22.2#239, Type CIC

CSA C22.2 #0.3 Clause 4.31 Low Acid Gas
FT4 Flame Test

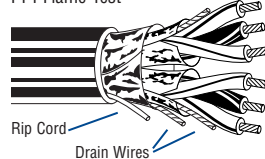
-25°C Installed

-40°C to +105°C (Dry) (75°C Wet)

22646*	1	122	182	.045	1.14	.320	8.13
22628	2	262	390	.045	1.14	.520	13.21
22629	4	438	652	.060	1.52	.628	15.95
22630	6	603	897	.060	1.52	.740	18.80
22631	8	752	1119	.060	1.52	.800	20.32
22632	12	1148	1708	.080	2.03	1.010	25.65
22685	16	1461	2174	.080	2.03	1.120	28.45
22686	24	2091	3112	.080	2.03	1.380	35.05

16 AWG Triads Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

CSA C22.2#239, Type CIC

CSA C22.2 #0.3 Clause 4.31 Low Acid Gas
FT4 Flame Test

-25°C Installed

-40°C to +105°C (Dry) (75°C Wet)

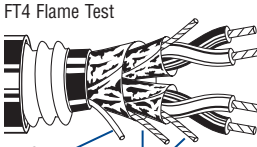
TC = Tinned Copper

*One pair/triad cables have one shield and drain wire

22603*	1	152	226	.045	1.14	.329	8.36
22687	2	344	512	.045	1.14	.580	14.73
22675	4	564	839	.060	1.52	.670	17.02
22688	6	819	1219	.060	1.52	.780	19.81
22689	8	1063	1582	.080	2.03	.940	23.88
22690	12	1524	2268	.080	2.03	1.080	27.43

CSA Instrumentation Cable

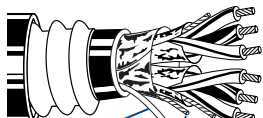
300V ACIC Armored Cables

Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs./1000 Ft.	kg/km	Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm
20 AWG Pairs Stranded (7x28) TC Cond. • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23543**	26530**	1	140	208	230	342	.020	.51	.26	6.6	.56	14.2
CSA C22.2#174, HLBCD	23534	26531	2	206	307	325	484	.020	.51	.40	10.2	.70	17.8
CSA C22.2#0.3, Clause 4.31	23514	26532	4	255	379	390	580	.020	.51	.46	11.7	.76	19.3
Low Acid Gas	23513	26533	6	297	442	494	735	.020	.51	.57	14.5	.88	22.4
FT4 Flame Test	23503	26534	8	361	537	563	840	.020	.51	.63	16.0	.92	23.4
	23521	26535	12	480	714	694	1033	.020	.51	.75	19.1	1.06	26.9
	23532	26536	16	600	893	900	1339	.020	.51	.79	20.1	1.16	29.5
	23506	26537	24	800	1191	1175	1749	.020	.51	1.05	26.7	1.42	36.1
	23544	26538	36	1050	1563	1500	2232	.020	.51	1.14	29.0	1.57	39.9
	23575	26546	50	1468	2185	2010	2991	.020	.51	1.37	34.8	1.75	44.5
-25°C Installed -40°C to +105°C (Dry) (75°C Wet)													



Rip Cord
Drain Wires
-25°C Installed
-40°C to +105°C (Dry) (75°C Wet)

20 AWG Triads Stranded (7x28) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23545**	26539**	1	139	207	235	350	.020	.51	.27	6.9	.57	14.5
CSA C22.2#174, HLBCD	23546	26540	2	210	313	345	513	.020	.51	.43	10.9	.73	18.5
CSA C22.2#0.3, Clause 4.31	23547	26541	4	270	402	425	632	.020	.51	.50	12.7	.80	20.3
Low Acid Gas, FT4 Flame Test	23548	26542	8	444	661	650	967	.020	.51	.69	17.5	1.00	25.4
	23571	26553	12	632	941	970	1444	.020	.51	.82	20.8	1.24	31.5
	23549	26543	16	740	1101	1090	1622	.020	.51	.91	23.1	1.28	32.5
	23550	26544	24	990	1473	1360	2024	.020	.51	1.11	28.2	1.48	37.6



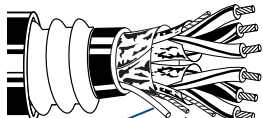
Rip Cord
Drain Wires
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

18 AWG Pairs Stranded (7x26) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23533**	26514**	1	160	238	258	384	.025	.64	.30	7.6	.60	15.2
CSA C22.2#174, HLBCD	23511	26515	2	247	368	384	572	.025	.64	.48	12.2	.78	19.8
CSA C22.2#0.3, Clause 4.31	23530	26516	4	340	506	500	744	.025	.64	.58	14.7	.88	22.4
Low Acid Gas	23528	26517	6	420	625	644	958	.025	.64	.67	17.0	.98	24.9
FT4 Flame Test	23531	26518	8	543	808	827	1230	.025	.64	.73	18.5	1.03	26.2
	23524	26519	12	725	1079	1045	1555	.025	.64	.90	22.9	1.28	32.5
	23519	26520	16	850	1265	1210	1801	.025	.64	.99	25.1	1.37	34.8
	23542	26521	24	1100	1637	1510	2247	.025	.64	1.24	31.5	1.63	41.4
	23554	26555	36	1465	2180	1960	2917	.025	.64	1.41	35.8	1.80	45.7



Rip Cord
Drain Wires
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

18 AWG Triads Stranded (7x26) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23505**	26522**	1	175	260	275	409	.025	.64	.33	8.4	.61	15.5
CSA C22.2#174, HLBCD	23516	26523	2	275	409	417	621	.025	.64	.51	13.0	.81	20.6
CSA C22.2#0.3, Clause 4.31	23515	26524	4	385	573	555	826	.025	.64	.62	15.7	.93	23.6
Low Acid Gas, FT4 Flame Test	23508	26525	6	535	796	780	1161	.025	.64	.75	19.1	1.11	28.2
	23523	26526	8	680	1012	995	1481	.025	.64	.81	20.6	1.18	30.0
	23512	26527	12	916	1363	1215	1808	.025	.64	1.03	26.2	1.40	35.6
	23537	26528	16	1020	1518	1400	2083	.025	.64	1.13	28.7	1.50	38.1
	23536	26529	24	1335	1987	1775	2642	.025	.64	1.37	34.8	1.80	45.7



Rip Cord
Drain Wires
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

Color Code: Pairs — Black and White with Numbers.
Triads — Black, White and Red with Numbers.

TC = Tinned Copper

*Note: Add D suffix for XLPE insulation. Example: 23543D.
**One pair/triad cables have one foil shield and drain wire

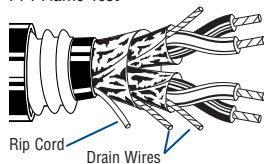
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CSA Instrumentation Cable**300V ACIC Armored Cables**

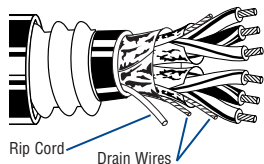
Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs./1000 Ft.	kg/km	Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm
16 AWG Pairs Stranded (7x24) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)													
Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23501**	26500**	1	175	260	280	417	.025	.64	.33	8.4	.62	15.8
CSA C22.2#174, HLABCD	23527	26501	2	280	417	425	635	.025	.64	.52	13.2	.81	20.6
CSA C22.2#0.3, Clause 4.31	23509	26503	4	395	588	570	848	.025	.64	.63	16.0	.93	23.6
Low Acid Gas	23500	26504	6	510	759	715	1064	.025	.64	.73	18.5	1.03	26.2
FT4 Flame Test	23510	26505	8	625	930	910	1354	.025	.64	.79	20.1	1.16	29.5
	23525	26506	12	875	1302	1230	1831	.025	.64	1.00	25.4	1.37	34.8
	23539	26507	16	1054	1569	1445	2151	.025	.64	1.12	28.2	1.48	37.6
	23538	26508	24	1397	2079	1840	2738	.025	.64	1.36	34.5	1.75	44.5
	23568	26551	36	1920	2857	2460	3661	.025	.64	1.60	40.6	1.97	50.0



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

16 AWG Triads Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket													
CSA C22.2#239, Type ACIC	23507**	26502**	1	190	282	295	439	.025	.64	.35	8.9	.63	16.0
CSA C22.2#174, HLBCD	23522	26509	2	342	508	500	744	.025	.64	.58	14.7	.90	22.9
CSA C22.2#0.3, Clause 4.31	23520	26510	4	450	670	640	953	.025	.64	.68	17.3	.95	24.1
Low Acid Gas	23529	26511	6	650	967	928	1381	.025	.64	.78	19.8	1.19	30.2
FT4 Flame Test	23526	26512	8	825	1228	1130	1682	.025	.64	.93	23.6	1.30	33.0
	23541	26513	12	1082	1610	1511	2249	.025	.64	1.13	28.7	1.50	38.1
	23567	26545	16	1285	1912	1705	2537	.025	.64	1.25	31.8	1.64	41.7
	23578	26547	24	1725	2567	2200	3274	.025	.64	1.58	40.1	1.95	49.5



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

TC = Tinned Copper

*Note: Add D suffix for XLPE insulation. Example: 23501D.

**One pair/triad cables have one foil shield and drain wire

Color Code: Pairs — Black and White with Numbers.

Triads — Black, White and Red with Numbers.

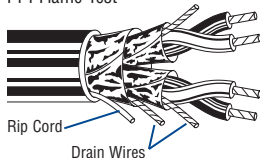
CSA Instrumentation Cable

600V CIC

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm

18 AWG Pairs Stranded (7x26) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

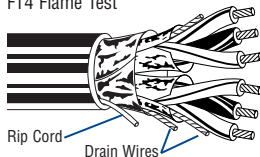
CSA C22.2#239, Type CIC	22417*	1	109	162	.045	1.14	.32	8.13
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22405	2	229	341	.045	1.14	.51	12.95
	22404	4	374	557	.060	1.52	.63	16.00
	22418	8	632	941	.060	1.52	.79	20.07
	22421	12	970	1444	.080	2.03	1.00	25.40
	22419	24	1741	2591	.080	2.03	1.36	34.54



-25°C Installed
 -40°C to +105°C (Dry) (75°C Wet)

18 AWG Triads Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

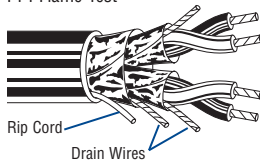
CSA C22.2#239, Type CIC	22442*	1	131	195	.045	1.14	.34	8.64
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22443	2	299	445	.060	1.52	.58	14.73
	22444	4	476	708	.060	1.52	.68	17.27
	22445	8	893	1329	.080	2.03	.88	22.35



-25°C Installed
 -40°C to +105°C (Dry) (75°C Wet)

16 AWG Pairs Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

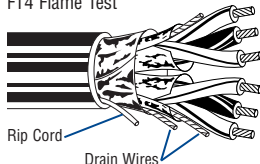
CSA C22.2#239, Type CIC	22416*	1	129	192	.045	1.14	.34	8.64
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22409	2	229	341	.045	1.14	.59	14.99
	22410	4	469	698	.060	1.52	.68	17.27
	22446	6	667	993	.060	1.52	.79	20.07
	22411	8	841	1252	.080	2.03	.90	22.86
	22412	12	1235	1838	.080	2.03	1.09	27.69
	22447	24	2250	3349	.080	2.03	1.49	37.85



-25°C Installed
 -40°C to +105°C (Dry) (75°C Wet)

16 AWG Triads Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

CSA C22.2#239, Type CIC	22413*	1	167	249	.045	1.14	.36	9.14
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22448	2	372	554	.045	1.14	.62	15.88
	22414	4	606	902	.060	1.52	.72	18.29
	22415	8	1144	1703	.080	2.03	.96	24.38



-25°C Installed
 -40°C to +105°C (Dry) (75°C Wet)

TC = Tinned Copper

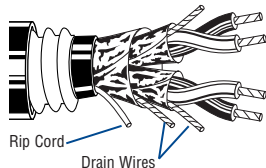
*One pair/triad cables have one foil shield and drain wire

CSA Instrumentation Cable**600V ACIC Armored Cables**

Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs./1000 Ft.	kg/km	Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm

18 AWG Pairs Stranded (7x26) TC Cond. • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket**

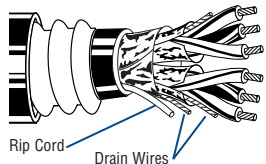
CSA C22.2#239, Type ACIC	24511**	25506**	1	154	229	257	382	.030	.76	.32	8.13	.61	15.49
CSA C22.2#174, HLBCD	24512	25514	2	238	354	387	575	.030	.76	.51	12.95	.82	20.83
CSA C22.2#0.3, Clause 4.31	24513	25503	4	335	499	504	750	.030	.76	.63	16.00	.93	23.62
Low Acid Gas, FT4 Flame Test	24514	25505	8	536	798	829	1233	.030	.76	.79	20.27	1.15	29.21
	24515	25501	12	739	1100	1092	1624	.030	.76	1.00	25.40	1.36	34.54
	24520	25517	24	1169	1740	1674	2490	.030	.76	1.36	34.54	1.75	44.45



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

18 AWG Triads Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket**

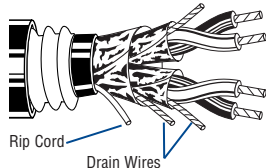
CSA C22.2#239, Type ACIC	24516**	25500**	1	166	247	276	411	.030	.76	.34	8.64	.63	16.00
CSA C22.2#174, HLBCD	24517	25522	2	293	436	455	677	.030	.76	.58	14.73	.89	22.61
CSA C22.2#0.3, Clause 4.31	24518	25520	4	391	582	572	851	.030	.76	.66	16.76	.99	25.15
Low Acid Gas, FT4 Flame Test	24519	25523	8	673	1002	988	1470	.030	.76	.88	22.35	1.29	32.77



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

16 AWG Pairs Stranded (7x24) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket**

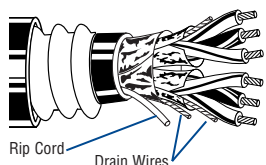
CSA C22.2#239, Type ACIC	24500**	25504**	1	171	254	279	415	.030	.76	.34	8.64	.64	16.26
CSA C22.2#174, HLBCD	24505	25510	2	299	445	455	677	.030	.76	.59	14.99	.89	22.61
CSA C22.2#0.3, Clause 4.31	24502	25511	4	450	670	583	868	.030	.76	.68	17.27	.98	24.89
Low Acid Gas, FT4 Flame Test	24506	25512	6	576	857	880	1310	.030	.76	.79	20.07	1.16	29.46
	24503	25513	8	679	1010	1005	1496	.030	.76	.90	22.86	1.27	32.26
	24504	25518	12	908	1351	1280	1905	.030	.76	1.09	27.69	1.46	37.08
	24510	25519	24	1502	2235	2030	3021	.030	.76	1.49	37.85	1.88	47.75



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

16 AWG Triads Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	24501**	25502**	1	195	290	309	460	.030	.76	.36	9.14	.66	16.76
CSA C22.2#174, HLBCD	24507	25507	2	339	505	465	692	.030	.76	.62	15.75	.94	23.88
CSA C22.2#0.3, Clause 4.31	24508	25509	4	464	691	793	1180	.030	.76	.72	18.29	1.05	26.67
Low Acid Gas, FT4 Flame Test	24509	25508	8	807	1201	1250	1860	.030	.76	.96	24.38	1.33	33.78



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

Color Code: Pairs — Black and White with Numbers.
Triads — Black, White and Red with Numbers.

TC = Tinned Copper

*Note: Add D suffix for XLPE insulation. Example: 24511D.
One pair/triad cables have one foil shield and drain wireBELDEN**For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com****Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr**