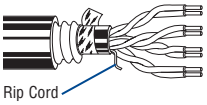
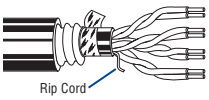
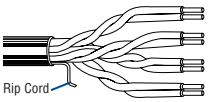
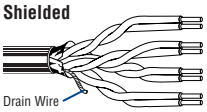
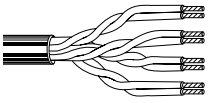
Industrial Data Solutions® — Industrial Ethernet

Category 5e DataTuff® Twisted Pair Cables, 4-Pair
Heavy-Duty Sunlight and Oil-Resistant Jackets

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
Enhanced Cat 5e • 24 AWG Bonded-Pairs Solid BC Conductors • Polyester Wrap • Rip Cord • See Color Code Chart (below)																
AL Interlocked Armor • Polyolefin Insulation • PVC Inner Jacket • .045″ Industrial Grade PVC Outer Jacket (Black or Gray)																
Interlocked AL Armor  Rip Cord	**121700A**	NEC: CM CEC: HL CMG FT4	4	1000 3000 †	304.8 914.4	159.0 459.0	72.0 210.6	.530 Nominal Core OD: .200	13.46 5.08	1 4 8 10 16 25 31.25 62.5 100 155 200 250 350	2.0 4.0 5.7 6.4 8.1 10.3 11.6 16.8 21.7 27.7 32.0 36.4 44.3	65.3 56.3 51.8 50.3 47.3 44.3 42.9 38.4 35.3 32.5 30.8 29.3 27.2	63.3 52.3 46.1 43.9 39.1 34.1 31.3 21.6 17.1 4.7 3.0 — —	60.8 48.7 42.7 40.8 36.7 32.8 30.9 24.8 20.8 16.9 14.7 12.8 9.9	100±12 100±12 100±12 100±12 100±12 100±15 100±15 100±15 100±15 100±18 100±20 100±20 100±22	20.0 23.0 24.5 25.0 25.0 24.3 23.6 21.5 20.1 19.0 19.0 18.0 17.0
†3000 ft. put-up available in Black only. • RJ-45 Compatible • Outer jacket is sunlight- and oil-resistant. • Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** • Jacket sequentially marked at 1 meter intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126																
AL Interlocked Armor • Polyolefin Insulation • PVC Inner Jacket • .045″ Industrial Grade PVC Outer Jacket (Black or Blue)																
Interlocked AL Armor -40°C Cold Impact  Rip Cord	**121700R** new	NEC: CM CEC: HL CMG FT4	4	1000 3000 5000 †	304.8 914.4 1524.0	159.0 459.0 690.0	72.0 210.6 313.0	.530 Nominal Core OD: .200	13.46 5.08	(Same as above)						
†5000 ft. put-up available in Blue only. • RJ-45 Compatible • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** Outer jacket is sunlight- and oil-resistant. • Jacket sequentially marked at 1 meter intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126																
Cat 5e • 24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant PVC Jacket (Black or Blue)																
 Rip Cord	**7918A**	NEC: CMR, CMX-Outdoor CEC: CMR FT4	4	1000 2000 ††	304.8 609.6	28.0 52.0	12.7 23.6	.230	5.84	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.4	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40.8 36.1 28.2 18.4 10.3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
††2000 ft. put-up available in Black only. • RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** • Third party verified to TIA/EIA-568-B.2, Category 5e																
Cat 5e • 24 AWG Solid BC • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire • See Color Code Chart																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant PVC Jacket (Black or Blue)																
Shielded  Drain Wire	**7919A**	NEC: CMR, CMX-Outdoor CEC: CMR FT4	4	1000 2000 †	304.8 609.6	35.0 68.0	15.9 30.9	.265	6.73	1 4 10 16 31.25 62.5 100	2.0 4.1 6.5 8.2 11.7 17.0 22.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3	60.3 49.2 40.8 36.1 28.2 18.4 10.3	60.8 48.7 40.8 36.7 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 25.0 25.0 23.6 21.5 20.1
†2000 ft. put-up available in Black only. • RJ-45 Compatible • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** • Cable passes -40°C Cold Bend per UL1581 Shield is bonded to jacket inner wall for electrical stability. • Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • P-07-KA060004-MSHA*																
Cat 5e • 24 AWG Stranded (7x32) Bare Copper Conductors • Twisted Pairs • See Color Code Chart (below)																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant Black PVC Jacket																
Stranded/Flexible 	**7930A** new	NEC: CMR, CMX-Outdoor CEC: CMR FT4	4	1000 2000	304.8 609.6	29.0 56.0	13.2 25.4	.240	6.09	1 4 10 16 31.25 62.5 100 200	2.5 4.9 7.8 9.9 14.1 20.4 26.4 38.9	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	59.8 48.4 39.5 34.4 25.8 15.0 5.9 —	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Installation Temperature: 0°C to +75°C • Operating Temperature: -25°C to +75°C** • Cable passes -25°C Cold Bend per UL1581 RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • P-07-KA060003-MSHA*																

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene-propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper

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*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.
**Subject to length de-rating.

Color Codes: DataTuff

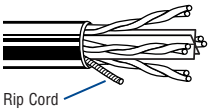
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

For two pair products: use color codes for Pairs 2 & 3

Industrial Data Solutions® — Industrial Ethernet

Category 6 DataTuff® Twisted Pair Cables, 4-Pair
Heavy-Duty Jackets

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant Black PVC Jacket																
	7927A	NEC:	4	1000	304.8	44.0	20.0	.251	6.38	1	1.9	80.3	78.5	70.8	100±12	20.0
		CMR		2000	609.6	88.0	39.9	x	x	10	5.7	65.3	59.6	50.8	100±12	25.0
		CEC:						.339	8.61	31.25	10.2	57.9	47.7	40.9	100±15	25.0
		CMR FT4								62.5	14.7	53.4	38.7	34.9	100±15	25.0
										100	18.9	50.3	31.4	30.8	100±15	25.0
										155	23.9	47.5	23.5	27.0	100±15	22.8
										200	27.5	45.8	18.3	24.8	100±15	21.7
										250	31.2	44.3	13.2	22.8	100±20	20.5
										350	37.7	40.2	4.5	19.9	100±22	19.8
										400	40.6	39.3	0.6	18.8	100±22	19.5
										500	46.2	37.8	>0.0◆	16.8	100±22	18.4
										550	48.8	37.2	—	16.0	100±22	18.0
										600	51.4	36.6	—	15.2	100±22	17.6

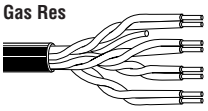


RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C**
◆PSUM ACR >0 is guaranteed to 460 MHz. • U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • See Color Code Chart (below)

Plenum • FEP Insulation • Sunlight-, Oil- and Gas-resistant Black FEP Jacket

High & Low Temp Oil Res I & II Gas Res	**7931A**	NEC:	4	1000	304.8	35.0	15.9	.214	5.44	1	2.0	72.3	70.3	64.8	100±15	20.0
		Limited								10	6.0	57.3	51.3	44.8	100±15	25.0
		Combustible								20	8.5	52.8	44.3	38.7	100±15	25.0
		FHC 25/50								31.25	10.7	49.9	39.2	34.9	100±15	23.6
		CMP								62.5	15.4	45.4	30.0	28.8	100±15	21.5
		CEC:								100	19.8	42.3	22.5	24.8	100±15	20.1
		CMP FT6								200	29.0	37.8	8.8	18.7	100±22	18.0
										250	32.8	36.3	3.5	16.8	100±32	17.3

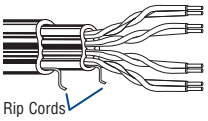


RJ-45 Compatible
Cable passes -70°C Cold Bend per UL1581 • Installation Temperature: -55°C to +150°C • Operating Temperature: -70°C to +150°C**
Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151 and 5,734,126

Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Rip Cord • See Color Code Chart (below)

Polyolefin Insulation • PVC Inner Jacket • .035″ Industrial Grade PVC Outer Jacket (Black or Gray)

Upjacketed	**11872A**	NEC:	4	1000	304.8	66.0	30.0	.475	12.07	1	1.9	72.3	70	64.8	100±12	20.0
		CM						x	x	4	3.7	63.3	59	52.7	100±12	23.0
		CEC:						.265	6.73	10	5.9	57.3	51	44.8	100±12	25.0
		CM								16	7.5	54.3	46	40.7	100±12	25.0
		FT1								31.25	10.6	49.9	39	34.9	100±15	23.6
								Nominal		62.5	15.4	45.4	30	28.8	100±15	21.5
								Core OD:		100	19.8	42.3	25	24.8	100±15	21.0
								.365	9.27	155	25.1	39.5	14	20.9	100±15	21.0
								x	x	200	29.0	37.9	10	18.7	100±15	21.0
								.165	4.19	310	37.1	34.9	—	14.9	100±20	18.0
										350	39.8	34.2	—	13.9	100±22	17.0
										400†	43.0	33.3	—	12.7	100±32	14.0
										500†	49.0	31.8	—	10.8	100±32	14.0

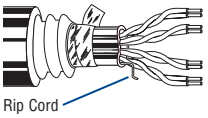


†Value provided for information only. • RJ-45 Compatible • Cable passes -25°C Cold Bend per UL1581
Installation Temperature: -10°C to +75°C • Operating Temperature: -25°C to +75°C**
Jacket sequentially marked at 2 ft. intervals • Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Polyester Wrap • Rip Cord • See Color Code Chart (below)

AL Interlocked Armor • Polyolefin Insulation • PVC Inner Jacket • .055″ Industrial Grade PVC Outer Jacket (Black or Gray)

Interlocked AL Armor	**121872A**	NEC:	4	1000	304.8	222.0	100.6	.684	17.37	1	1.9	72.3	70	64.8	100±12	20.0
		CM								4	3.7	63.3	59	52.7	100±12	23.0
		CEC:								10	5.9	57.3	51	44.8	100±12	25.0
		HL								16	7.5	54.3	46	40.7	100±12	25.0
		CMG FT4						Nominal		31.25	10.6	49.9	39	34.9	100±15	23.6
								Core OD:		62.5	15.4	45.4	30	28.8	100±15	21.5
								.365	9.27	100	19.8	42.3	25	24.8	100±15	21.0
								x	x	155	25.1	39.5	14	20.9	100±15	21.0
								.165	4.19	200	29.0	37.9	10	18.7	100±15	21.0
										310	37.1	34.9	—	14.9	100±20	18.0
										350	39.8	34.2	—	13.9	100±22	17.0
										400†	43.0	33.3	—	12.7	100±32	14.0
										500†	49.0	31.8	—	10.8	100±32	14.0



†Value provided for information only. • RJ-45 Compatible • Jacket sequentially marked at 1 meter intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C**
Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

ACR = Attenuation Crosstalk Ratio • AL = Aluminum • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper
**Subject to length de-rating.

Color Codes: DataTuff

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Industrial Data Solutions® — Industrial Twinax

Blue Hose® and Other Twinaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

78 Ohm • 20 AWG Stranded (7x28) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire

Aluminum Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

Aluminum Armored Blue Hose 300V 60°C	**129463**	NEC: CM CL2 CEC: CM, CMG FT4, HLBCD (Haz Loc)	1000† 6000†	304.8 1828.8	122.0 924.0	55.5 420.0	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil +55% TC Braid 4.1Ω/M′ 13.4Ω/km	Inner Jacket: .238 Overall: .563	6.05 14.30	78	66%	19.7	64.6	1 10 50 100 200 400	.6 2.1 5.0 7.5 11.0 16.0	2.0 6.9 16.4 24.6 36.1 52.5

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

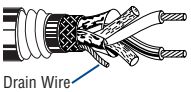
Steel Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

Steel Armored Blue Hose 300V 60°C	**139463**	NEC: CM CL2 CEC: CM, CMG FT4, HLBCD (haz loc)	1000† 6000†	304.8 1828.8	220.0 1488.0	100.0 676.4	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil +55% TC Braid 4.1Ω/M′ 13.4Ω/km	Inner Jacket: .238 Overall: .563	6.05 14.30	78	66%	19.7	64.6	1 10 50 100 200 400	.6 2.1 5.0 7.5 11.0 16.0	2.0 6.9 16.4 24.6 36.1 52.5

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

Continuously Corrugated AL Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

Continuously Armored Blue Hose 300V 60°C	**189463**	NEC: PLTC	2000†	609.6	258.0	117.1	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil +55% TC Braid 4.1Ω/M′ 13.4Ω/km	Inner Jacket: .238 Overall: .500	6.05 12.70	78	66%	19.7	64.6	1 10 50 100 200 400	.6 2.1 5.0 7.5 11.0 16.0	2.0 6.9 16.4 24.6 36.1 52.5



*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

78 Ohm • 20 AWG Stranded (7x28) .038″ Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

UL AWM Style 2092 (300V 60°C)	**9272**	NEC: CM CEC: CM	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.5 20.5 20.0 41.0 40.0	2.0 9.3 9.1 18.6 18.2	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.0Ω/km	.156	3.96	93% TC Braid Shield 3.4Ω/M′ 11.2Ω/km	.244	6.20	78	66%	19.7	64.6	1 10 50 100 200 400	.6 2.1 5.0 7.5 11.0 16.0	2.0 6.9 16.4 24.6 36.1 52.5

For Plenum version of 9272, see 89272.

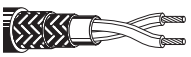
CPE jacket optional.

95 Ohm • RG-22B/U Type • 18 AWG Stranded (7x26) Bare Copper Conductors†† • TC Double Braid Shield (95% Coverage)

Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket

80°C VW-1	**9250**	—	500 1000	152.4 304.8	61.5 121.0	27.9 54.9	18 AWG (7x26) .046″ BC 6.6Ω/M′ 21.5Ω/km	.285	7.24	2 TC Braid 95% Shield .9Ω/M′ 3.0Ω/km	.416	10.57	95	66%	16.0	52.5	1 10 20 50 100 400	.3 .9 1.3 2.1 3.0 6.3	1.0 3.0 4.3 6.9 9.8 20.7

CPE jacket optional.



††One conductor has tinned center strand.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • PE = Polyethylene • TC = Tinned Copper

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

Industrial Data Solutions® — Industrial Coax

ControlNet™ Quad Shielded Coax

RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
	**3092A**	NEC: CL2R CMR CEC: CMG FT4	500 1000 2000 2500	152.4 304.8 609.6 762.2	20.0 39.0 78.0 92.5	9.1 17.7 35.4 42.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.298	7.57	75	82%	16.2	53.1	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.1 1.2 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.
CPE jacket optional.

Allen-Bradley P/N 1786

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue♦)

150°C		**3093A**	NEC: CMP CEC: CMP FT6	1000♦ 2000† 2500†	304.8 609.6 762.0	40.0 80.0 95.0	18.2 36.3 43.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.170	4.32	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.2 1.2 1.6 2.1 3.1 4.9 7.0 9.8 12.0 13.9

Sweep tested 5 MHz to 50 MHz.

♦Blue available as standard in 1000 ft. only.
Suitable for Outdoor and Direct Burial applications. • Allen-Bradley P/N 1786

RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

High-Flex		**3092F**	NEC: CL2R CMR CEC: CMG FT4	1000 5000	304.8 1524.0	44.0 220.0	20.0 99.8	20 AWG (105x40) .040″ Bare Copper 10.5Ω/M′ 34.4Ω/km	.183	4.65	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.303	7.70	75	79%	17.0	55.8	1 2 5 10 20 50 100 200 300 400	.36 .47 .80 1.20 2.00 3.20 4.60 6.50 8.00 9.30	1.2 1.5 2.6 3.9 6.6 10.5 15.1 21.3 26.2 30.5

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.
123092F — Aluminum Armor
133092F — Steel Armor

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP. • Allen-Bradley P/N 1786
For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid version).

RG-6/U Type • 18 AWG Solid Bare Copper-Covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)

Aluminum Interlocked Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Sunlight Resistant Outer Jacket

75°C		**123092A** new	NEC: CM CEC: CMG, FT4, HL	1000††	304.8	180.0	81.7	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	Inner Jacket .298 Overall: .620	7.57 15.75	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.2 1.3 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.
CPE jacket optional.
133092A — Steel Armor

Allen-Bradley P/N 1786
Jacket sequentially marked at 1 meter intervals.

Continuously Corrugated Aluminum Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Outer Jacket

75°C		**183092A** new	NEC: CL2, CM	2000▲	609.6	350.0	158.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	Inner Jacket .298 Overall: .570	7.57 14.48	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.2 1.3 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.

Allen-Bradley P/N 1786
Jacket sequentially marked at 2 ft. intervals.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene

*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil + 40% aluminum braid.

†Final put-up length may vary 0 to +10% from length shown.
††Final put-up length may vary ±5% from length shown.
▲Final put-up length may vary ±10% from length shown.

ControlNet is a ControlNet International trademark.

Industrial Data Solutions® — Industrial Data

EIA Industrial RS-485 PLTC/CM

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) + TC Braid (90% Coverage) • Drain Wire▲																		
Datalene® Insulation • Black UV Resistant PVC Jacket (CPE jacket optional)																		
Oil Res II 300V 	**3105A**▼	NEC: CM PLTC CEC: CM FT1	1	See Chart (below)	500 1000 5000 †	152.4 304.8 1523.9	23.0 50.0 255.0	10.4 22.7 115.8	14.7Ω/M′ 48.2Ω/km	2.8Ω/M′ 9.2Ω/km	.284	7.21	120	78%	11.0	36.1	20.9	68.6
	3106A	NEC: CM PLTC CEC: CM FT1	1.5◆	White/Orange, Orange/White, Blue/White	500 1000 5000 †	152.4 304.8 1523.9	27.0 51.0 260.0	12.3 23.2 118.1	14.7Ω/M′ 48.2Ω/km	2.8Ω/M′ 9.2Ω/km	.300	7.62	120	78%	11.0	36.1	20.9	68.6
	3107A▼	NEC: CM PLTC CEC: CM FT1	2	See Chart (below)	1000 4000 5000 †	304.8 1219.2 1523.9	69.0 300.0 385.0	31.3 136.2 174.8	14.7Ω/M′ 48.2Ω/km	1.8Ω/M′ 5.9Ω/km	.356	9.04	120	78%	11.0	36.1	20.9	68.6
	3108A	NEC: CM PLTC CEC: CM FT1	3	See Chart (below)	1000 2000	304.8 609.6	93.0 184.0	42.2 83.5	14.7Ω/M′ 48.2Ω/km	1.5Ω/M′ 4.9Ω/km	.420	10.67	120	78%	11.0	36.1	20.9	68.6
	3109A	NEC: CM PLTC CEC: CM FT1	4	See Chart (below)	1000 2000	304.8 609.6	107.0 218.0	48.6 99.0	14.7Ω/M′ 48.2Ω/km	1.4Ω/M′ 4.6Ω/km	.420	10.67	120	78%	11.0	36.1	20.9	68.6
AL Interlocked Armor • Datalene® Insulation • PVC Inner Jacket • Black UV Resistant PVC Outer Jacket																		
300V 	**123107A** new	NEC: CM PLTC CEC: CMG FT4	2	See Chart (below)	5000 ††	1523.9	1140.0	514.1	14.7Ω/M′ 48.2Ω/km	1.8Ω/M′ 5.9Ω/km	.650	16.51	120	78%	11.0	36.1	20.9	68.6

▼3015A and 3107A are DMX512 Type.

▲22 AWG stranded tinned copper drain wire.

▲22 AWG stranded tinned copper drain wire.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.
** Capacitance between one conductor and other conductors connected to shield.

† Final put-up length may vary -0 to +10% from length shown.
†† Final put-up length may vary ±10% for spools or reels and ±5% for UnReel® cartons from length shown.

◆All conductors are under the braid shield; one pair is under the Beldfoil shield.

Color Code Chart

Pair No.	Color Combination
1	White/Blue Stripe Blue/White Stripe
2	White/Orange Stripe Orange/White Stripe
3	White/Green Stripe Green/White Stripe
4	White/Brown Stripe Brown/White Stripe

UL Instrumentation Cable

300V Power-Limited Tray Cables — Overview

Construction

Soft annealed bare or tinned copper with PVC flame retardant insulation and jacket. Other insulation and jacket options are available (see table below). Communication wire included on all multi-pair/multi-triad 1000 and 3000 series part numbers, 22 AWG (7x30) bare copper, orange PVC insulation. Nylon rip cord included in all PVC/PVC instrumentation cables.

Other Construction Options:

UL Listed for PLTC	
Insulation/Jacket	**Max. Temp Rating**
XLPE/PVC	90°C
XLPE/CPE	90°C
PVC/PVC	105°C
PVC/CPE	105°C
PE/PVC	75°C
FPE/PVC	75°C
TPE/TPE	105°C
XLPE/Haloarrest®	90°C

Armoring Capabilities

Belden also has the capability to protect electronic, instrumentation and control cables with interlocking or continuous armor and smooth or corrugated protective metal tapes.

To Specify Part Number		
1	2	3456
Overall Jacket Type	Armor Type	Core Trade Number

Overall Jacket

Code	Material
1	PVC
3	CPE
4	TPE
5	HDPE
6	Oil Res II
7	Haloarrest® I

Armor

Code	Material
2	Aluminum Interlock
3	Steel Interlock
8	Continuously Corrugated Aluminum

Application

Cable jackets are resistant to sunlight, moisture and vapor penetration. PVC/PVC constructions, with 3 conductors or more and 20 AWG or larger, are suitable for direct burial.

Unshielded

Twisted non-shielded pairs and triads provide a minimal OD allowing greater tray and conduit fill. Non-shielded instrument pairs may be utilized when recommended by the instrument manufacturer and used in a metallic conduit.

Overall Shield

Recommended for use in instrumentation applications where signals are transmitted in excess of 100 millivolts except in areas where high voltage and current sources create excessive noise interference. The Beldfoil® shield with drain wire provides 100% coverage for maximum shield effectiveness.

Individually Shielded and Overall Shielded

Individually shielded pairs or triads with an overall shield are recommended for use in instrumentation applications where optimum noise rejection is required. Individual pair/triad shields are fully isolated from each other and contain a separate drain wire for grounding, to provide maximum protection from crosstalk and common mode interference. Cables with an overall shield provide additional electrostatic noise protection.

Specifications

- UL Subject 13
- UL Subject 2250
- NEC Article 725 Class 2 and Class 3 Circuits
- NEC Type PLTC Listed, which is approved for cable tray use in Class 1, Division 2, hazardous areas and non-hazardous areas, cable trays, raceways, conduit and supported by messenger wires.
- Sunlight-resistant.
- Oil-resistant per UL Class 43
- NEC Type ITC per Article 727. ITC cables may carry up to 5 amps at 150V, which is significantly greater than that allowed for PLTC only cables. ITC cables may also be installed in specific applications, per the NEC, in addition to those allowed for PLTC.
- UL 1685 (UL 1581) Vertical Tray Flame Test comparable to IEEE 383-1974 (70,000 BTU/hr.) Flame Test.
- PVC/PVC constructions are CMG, FT4, IEEE 1202 and IEEE 383-2003 rated, and meet ICEA T-29-520 Flame Test.
- Design options — call 1-800-BELDEN-1 or 1-800-BELDEN-3.

PLTC-ER

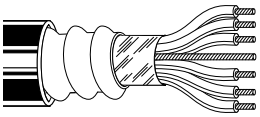
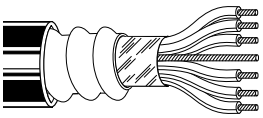
As an option, Belden offers all PVC insulated, PVC jacketed instrumentation cables, and several other insulation and jackets, with a PLTC-ER (Exposed Run) rating, formerly referred to as Open Wiring.

Per NEC Article 725, a PLTC-ER rated cable may be installed in an industrial establishment between a cable tray and the utilization equipment or device. A PLTC-ER rated cable must meet the crush and impact requirements of UL Type MC cable By eliminating the need for metal conduit and/or armor, using a PLTC-ER rated cable results in savings in both installation and maintenance.

Standard lengths may be subject to tolerance. Custom lengths may be available upon request. Contact the Belden Electronics Division Customer Service Department for additional information. 1-800-BELDEN-1 or 1-800-BELDEN-3.

UL Control Cable

600V Type MC Metal Clad Cables
Industrial Grade Sunlight- and Oil-Resistant Jackets

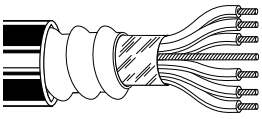
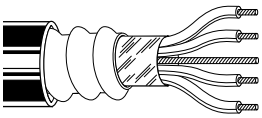
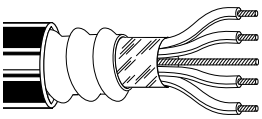
Description	Part Number		No. of Cond.	Insulation Thickness		Outer Jacket Thickness		Armor OD		Nominal OD		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC 	**27243**	**28243**	2	.030	.76	.050	1.27	.48	12.19	.58	14.73	7.3	185.42
	27244	**28244**	3	.030	.76	.050	1.27	.50	12.70	.61	15.49	7.6	193.04
	27245	**28245**	4	.030	.76	.050	1.27	.54	13.72	.64	16.26	7.9	200.66
	27246	**28246**	5	.030	.76	.050	1.27	.57	14.48	.68	17.27	8.4	213.36
	27247	**28247**	6	.030	.76	.050	1.27	.62	15.75	.72	18.29	8.9	226.06
	27248	**28248**	7	.030	.76	.050	1.27	.62	15.75	.72	18.29	8.9	226.06
	27269	**28269**	8	.030	.76	.050	1.27	.69	17.53	.80	20.32	9.4	238.76
	27535	**28535**	9	.030	.76	.050	1.27	.70	17.78	.80	20.32	10.0	254.00
	27249	**28249**	10	.030	.76	.050	1.27	.75	19.05	.85	21.59	10.5	266.70
	27250	**28250**	12	.030	.76	.050	1.27	.77	19.56	.87	22.10	10.8	274.32
	27251	**28251**	15	.030	.76	.050	1.27	.87	22.10	.98	24.89	11.6	294.64
	27969	**28969**	19	.030	.76	.050	1.27	1.00	25.40	1.11	28.19	12.1	307.34
	27252	**28252**	20	.030	.76	.050	1.27	1.03	26.16	1.14	28.96	13.3	337.82
	27270	**28270**	25	.030	.76	.050	1.27	1.10	27.94	1.21	30.73	14.4	365.76
	27253	**28253**	30	.030	.76	.050	1.27	1.18	29.97	1.29	32.77	15.1	383.54
	27292	**28292**	37	.030	.76	.050	1.27	1.14	28.96	1.24	31.50	16.1	408.94
	27433	**28433**	40	.030	.76	.050	1.27	1.28	32.51	1.40	35.56	16.7	424.18
	27434	**28434**	50	.030	.76	.050	1.27	1.40	35.56	1.52	38.61	18.4	467.36
12 AWG Stranded (7x20) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC 	**27254**	**28254**	2	.030	.76	.050	1.27	.52	13.21	.62	15.75	7.8	198.12
	27255	**28255**	3	.030	.76	.050	1.27	.54	13.72	.64	16.26	8.0	203.20
	27256	**28256**	4	.030	.76	.050	1.27	.58	14.73	.68	17.22	8.5	215.90
	27271	**28271**	5	.030	.76	.050	1.27	.62	15.75	.72	18.29	9.1	231.14
	27272	**28272**	6	.030	.76	.050	1.27	.67	17.02	.77	19.56	9.6	243.84
	27273	**28273**	7	.030	.76	.050	1.27	.67	17.02	.77	19.56	9.6	243.84
	27274	**28274**	8	.030	.76	.050	1.27	.77	19.56	.88	22.35	10.2	259.08
	27538	**28538**	9	.030	.76	.050	1.27	.76	19.30	.86	21.84	10.8	274.32
	27275	**28275**	10	.030	.76	.050	1.27	.80	20.32	.91	23.11	11.5	292.10
	27276	**28276**	12	.030	.76	.050	1.27	.84	21.34	.94	23.88	11.7	297.18
	27277	**28277**	15	.030	.76	.050	1.27	.94	23.88	1.05	26.67	13.4	340.36
	27539	**28539**	19	.030	.76	.055	1.40	1.05	26.67	1.16	29.46	14.0	355.60
	27278	**28278**	20	.030	.76	.055	1.40	1.16	29.46	1.27	32.26	14.6	370.84
	27279	**28279**	25	.030	.76	.055	1.40	1.26	32.00	1.37	34.80	15.8	401.32
	27280	**28280**	30	.030	.76	.055	1.40	1.29	32.77	1.40	35.56	16.8	426.72
	27540	**28540**	37	.030	.76	.055	1.40	1.44	36.58	1.55	39.37	17.8	452.12
	27432	**28432**	40	.030	.76	.055	1.40	1.50	38.10	1.63	41.40	18.4	467.36

Color Code: Use ICEA Table E2 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

600V Type MC Metal Clad Cables
Industrial Grade Sunlight- and Oil-Resistant Jackets

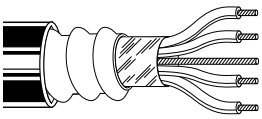
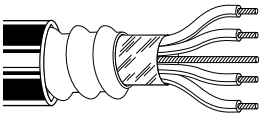
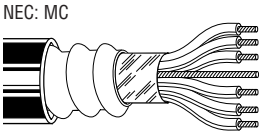
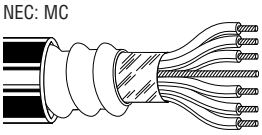
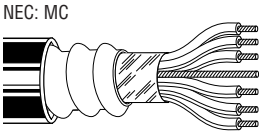
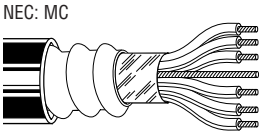
Description	Part Number		No. of Cond.	Insulation Thickness		Outer Jacket Thickness		Armor OD		Nominal OD		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
10 AWG Stranded (7x18) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27257**	**28257**	2	.030	.76	.050	1.27	.56	14.22	.67	17.02	8.4	213.36
	**27258**	**28258**	3	.030	.76	.050	1.27	.58	14.73	.69	17.53	8.6	218.44
	27259	**28259**	4	.030	.76	.050	1.27	.62	15.75	.74	18.80	9.2	233.68
	27281	**28281**	5	.030	.76	.050	1.27	.68	17.27	.79	20.07	12.8	325.12
	27282	**28282**	6	.030	.76	.050	1.27	.74	18.80	.84	21.34	10.4	264.16
	27283	**28283**	7	.030	.76	.050	1.27	.74	18.80	.84	21.34	10.4	264.16
	27284	**28284**	8	.030	.76	.050	1.27	.81	20.57	.92	23.37	11.2	284.48
	27541	**28541**	9	.030	.76	.050	1.27	.87	22.10	.98	24.89	11.8	299.72
	27285	**28285**	10	.030	.76	.050	1.27	.89	22.61	1.03	26.16	13.3	337.82
	27286	**28286**	12	.030	.76	.050	1.27	1.01	25.65	1.12	28.45	13.7	347.98
	27287	**28287**	15	.030	.76	.050	1.27	1.09	27.69	1.22	30.99	14.8	375.92
	27288	**28288**	20	.030	.76	.055	1.40	1.22	30.99	1.35	34.29	16.2	411.48
	27289	**28289**	25	.030	.76	.055	1.40	1.32	33.53	1.47	37.34	17.8	452.12
	27290	**28290**	30	.030	.76	.055	1.40	1.42	36.07	1.55	39.37	18.6	472.44
8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27291**	**28291**	2	.045	1.14	.050	1.27	.70	17.78	.81	20.57	9.8	248.92
	**27260**	**28260**	3	.045	1.14	.050	1.27	.72	18.29	.82	20.83	10.2	259.08
	27261	**28261**	4	.045	1.14	.050	1.27	.78	19.81	.88	22.35	10.9	276.86
6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27293**	**28293**	2	.045	1.14	.050	1.27	.76	19.30	.87	22.10	10.7	271.78
	**27262**	**28262**	3	.045	1.14	.050	1.27	.80	20.32	.90	22.86	11.2	284.48
	27263	**28263**	4	.045	1.14	.050	1.27	.87	22.10	.97	24.64	12.1	307.34

Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.
For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

600V Type MC Metal Clad Cables
Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part Number		No. of Cond.	Insulation Thickness		Outer Jacket Thickness		Armor OD		Nominal OD		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
4 AWG Stranded (7x12) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27264**	**28264**	3	.045	1.14	.050	1.27	.90	22.86	1.00	25.40	13.1	332.74
	**27265**	**28265**	4	.045	1.14	.050	1.27	1.97	50.04	1.08	27.43	14.2	360.68
2 AWG Stranded (7x10) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27267**	**28267**	3	.045	1.14	.050	1.27	1.02	25.91	1.13	28.70	14.7	373.38
	**27268**	**28268**	4	.045	1.14	.050	1.27	1.11	28.19	1.22	30.99	16.0	406.40
Composite 14 AWG (7x22) **and 12 AWG** (7x20) Stranded Bare Copper Conductors • 12 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27428**	**28428**	3c/14 3c/12	.030 .030	.76 .76	.050	1.27	.70	17.78	.81	20.57	9.7	246.38
													
Composite 14 AWG (7x22) **and 10 AWG** (7x18) Stranded Bare Copper Conductors • 10 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27429**	**28429**	3c/14 3c/10	.030 .030	.76 .76	.050	1.27	.74	18.80	.85	21.59	10.2	259.08
													
Composite 14 AWG (7x22) **and 8 AWG** (7x16) Stranded Bare Copper Conductors • 10 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27430**	**28430**	3c/14 3c/8	.030 .045	.76 1.14	.050	1.27	.83	21.08	.94	23.88	11.2	284.48
													
Composite 14 AWG (7x22) **and 6 AWG** (7x14) Stranded Bare Copper Conductors • 8 AWG Bare Copper Ground Wire													
Aluminum or Steel Interlocked Armor • Cross-linked Polyethylene Insulation • PVC Jacket													
NEC: MC	**27431**	**28431**	3c/14 3c/6	.030 .045	.76 1.14	.050	1.27	.89	22.61	1.01	25.65	12.0	304.80
													

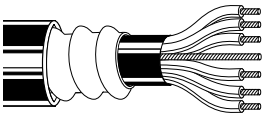
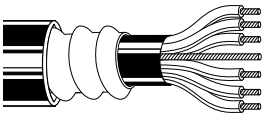
Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.
For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

600V Teck-Style® Cables

Dual-Rated Type MC/Teck 90

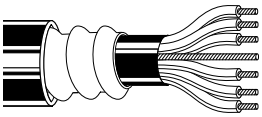
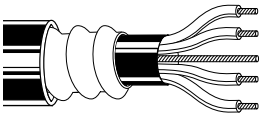
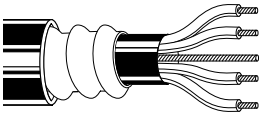
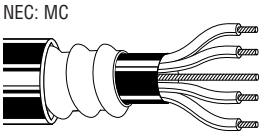
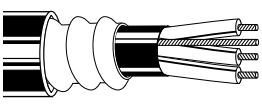
Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27840**	**28840**	2	.030	.76	.37	9.40	.56	14.22	.67	17.02	66	294	8.0	203
	**27841**	**28841**	3	.030	.76	.39	9.91	.58	14.73	.69	17.53	98	436	8.3	211
	27842	**28842**	4	.030	.76	.43	10.92	.62	15.75	.73	18.54	131	583	8.7	221
	27843	**28843**	5	.030	.76	.47	11.94	.66	16.76	.77	19.56	164	730	9.2	234
	27844	**28844**	6	.030	.76	.51	12.95	.70	17.78	.81	20.57	191	850	9.7	246
	27845	**28845**	7	.030	.76	.51	12.95	.70	17.78	.81	20.57	225	1001	9.7	246
	27846	**28846**	8	.030	.76	.58	14.73	.77	19.56	.88	22.35	260	1157	10.5	267
	27847	**28847**	10	.030	.76	.67	17.02	.93	23.62	1.04	26.42	321	1428	12.5	318
	27848	**28848**	12	.030	.76	.69	17.53	.95	24.13	1.06	26.92	388	1726	10.9	277
	27849	**28849**	15	.030	.76	.77	19.56	1.03	26.16	1.14	28.96	481	2140	13.7	348
	27850	**28850**	20	.030	.76	.86	21.84	1.12	28.45	1.23	31.24	649	2887	15.3	389
	27851	**28851**	25	.030	.76	.92	23.37	1.18	29.97	1.30	33.02	810	3603	16.3	414
	27852	**28852**	30	.030	.76	.98	24.89	1.24	31.50	1.36	34.54	975	4337	17.0	432
CSA C22.2 #131 FT4 Flame Test, HAZ LOC	**27885**	**28885**	40	.030	.76	1.09	27.69	1.35	34.29	1.47	37.34	1301	5787	18.5	470
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas	**27886**	**28886**	50	.030	.76	1.19	30.23	1.45	36.83	1.57	39.88	1630	7251	19.8	503
12 AWG Stranded (7x20) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27853**	**28853**	2	.030	.76	.41	10.41	.60	15.24	.71	18.03	104	463	8.5	216
	**27854**	**28854**	3	.030	.76	.43	10.92	.62	15.75	.73	18.54	156	694	8.8	224
	27855	**28855**	4	.030	.76	.47	11.94	.66	16.76	.77	19.56	207	921	9.2	234
	27856	**28856**	5	.030	.76	.52	13.21	.71	18.03	.82	20.83	260	1157	9.8	249
	27857	**28857**	6	.030	.76	.59	14.99	.78	19.81	.89	22.61	310	1379	10.7	272
	27858	**28858**	7	.030	.76	.59	14.99	.78	19.81	.89	22.61	361	1606	10.7	272
	27859	**28859**	8	.030	.76	.64	16.26	.83	21.08	.94	23.88	415	1846	11.3	287
	27860	**28860**	10	.030	.76	.75	19.05	1.01	25.65	1.12	28.45	520	2313	13.4	340
	27861	**28861**	12	.030	.76	.77	19.56	1.03	26.16	1.14	28.96	619	2753	13.7	348
	27862	**28862**	15	.030	.76	.87	22.10	1.13	28.70	1.25	31.75	718	3194	15.0	381
	27863	**28863**	20	.030	.76	.96	24.38	1.22	30.99	1.33	33.78	1040	4626	15.9	404
	27864	**28864**	25	.030	.76	1.04	26.42	1.30	33.02	1.42	36.07	1301	5787	17.0	432
CSA C22.2 #131 FT4 Flame Test, HAZ LOC	**27865**	**28865**	30	.030	.76	1.15	29.21	1.41	35.81	1.53	38.86	1560	6939	18.3	465
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas	**27887**	**28887**	40	.030	.76	1.20	30.48	1.54	39.12	1.67	42.42	2020	8985	20.0	508

Color Code: Use ICEA Table E2 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

600V Teck-Style® Cables
Dual-Rated Type MC/Teck 90

Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
10 AWG Stranded (7x18) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27866**	**28866**	2	.030	.76	.46	11.68	.65	16.51	.74	18.80	166	738	9.1	231
	**27867**	**28867**	3	.030	.76	.48	12.19	.67	17.02	.77	19.56	249	1108	9.4	239
	27868	**28868**	4	.030	.76	.56	14.22	.75	19.05	.84	21.34	330	1468	10.3	262
	27869	**28869**	5	.030	.76	.67	17.02	.86	21.84	.96	24.38	415	1846	11.6	295
	27870	**28870**	6	.030	.76	.67	17.02	.86	21.84	.96	24.38	491	2184	11.6	295
	27877	**28877**	7	.030	.76	.70	17.78	.90	22.86	1.00	25.40	560	2491	12.1	307
	27878	**28878**	8	.030	.76	.75	19.05	.95	24.13	1.05	26.67	640	2847	12.7	323
	27879	**28879**	10	.030	.76	.78	19.81	1.04	26.42	1.15	29.21	801	3563	13.8	351
	27880	**28880**	12	.030	.76	.89	22.61	1.15	29.21	1.26	32.00	960	4270	15.1	384
	27881	**28881**	15	.030	.76	.93	23.62	1.19	30.23	1.30	33.02	1195	5316	15.6	396
	27882	**28882**	20	.030	.76	1.06	26.92	1.32	33.53	1.44	36.58	1600	7117	17.3	439
CSA C22.2 #131 FT4 Flame Test, HAZ LOC CSA C22.2 #0.3 Clause 4.31 Low Acid Gas	**27883**	**28883**	25	.030	.76	1.12	28.45	1.44	36.58	1.58	40.13	1990	8852	19.0	483
	27884	**28884**	30	.030	.76	1.28	32.51	1.54	39.12	1.67	42.42	2355	10476	20.0	508
8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27871**	**28871**	2	.045	1.14	.59	14.99	.78	19.81	.89	22.61	264	1174	10.7	272
	**27872**	**28872**	3	.045	1.14	.62	15.75	.81	20.57	.91	23.11	396	1762	10.9	277
	27873	**28873**	4	.045	1.14	.68	17.27	.94	23.88	1.05	26.67	528	2349	12.6	320
CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas															
6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27874**	**28874**	2	.060	1.52	.71	18.03	.97	24.64	1.08	27.43	420	1868	13.0	330
	**27875**	**28875**	3	.060	1.52	.76	19.30	1.02	25.91	1.13	28.70	630	2802	13.5	343
	27876	**28876**	4	.060	1.52	.88	22.35	1.14	28.96	1.25	31.75	840	3737	15.0	381
CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas															
4 AWG Stranded (7x12) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27894**	**28894**	3	.060	1.52	.91	23.11	1.17	29.72	1.29	32.77	1002	4457	15.5	394
	**27895**	**28895**	4	.060	1.52	.99	25.15	1.25	31.75	1.37	34.80	1335	5938	16.4	417
CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas															
3 AWG Stranded (7x11) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27896**	**28896**	3	.060	1.52	.96	24.38	1.22	30.99	1.33	33.78	1263	5618	16.0	406
															
CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas															

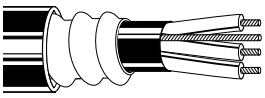
Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.
For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

600V Teck-Style® Cables
Dual-Rated Type MC/Teck 90

Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
2 AWG Stranded (7x10) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire															
Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket															
NEC: MC	**27888**	**28888**	3	.060	1.52	1.08	27.43	1.28	32.51	1.40	35.56	1593	7086	16.8	427
	27889	**28889**	4	.060	1.52	1.12	28.45	1.38	35.05	1.50	38.10	2124	9448	18.0	457

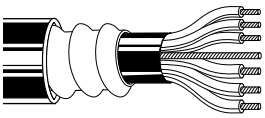


CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) **and 12 AWG** (7x20) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire

Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket

NEC: MC	**27890**	**28890**	3c/14	.030	.76	.56	14.22	.75	19.05	.86	21.84	202	899	10.3	262
			3c/12	.030	.76										

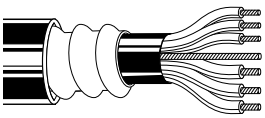


CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) **and 10 AWG** (7x18) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire

Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket

NEC: MC	**27891**	**28891**	3c/14	.030	.76	.61	15.49	.80	20.32	.91	23.11	305	1357	10.9	277
			3c/10	.030	.76										

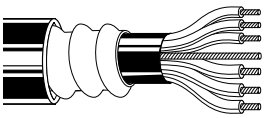


CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) **and 8 AWG** (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire

Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket

NEC: MC	**27892**	**28892**	3c/14	.045	1.14	.70	17.78	.96	24.38	1.07	27.18	435	1935	12.8	325
			3c/8	.030	.76										

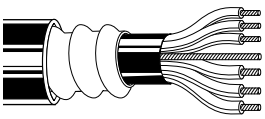


CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) **and 6 AWG** (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire

Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket

NEC: MC	**27893**	**28893**	3c/14	.060	1.52	.90	22.86	1.15	29.21	1.26	32.00	655	2914	15.1	384
			3c/6	.030	.76										



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

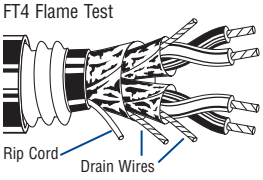
Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.
For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

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 CSA C22.2#174, HLABCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	**23543****	**26530****	1	140	208	230	342	.020	.51	.26	6.6	.56	14.2
	23534	**26531**	2	206	307	325	484	.020	.51	.40	10.2	.70	17.8
	23514	**26532**	4	255	379	390	580	.020	.51	.46	11.7	.76	19.3
	23513	**26533**	6	297	442	494	735	.020	.51	.57	14.5	.88	22.4
	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

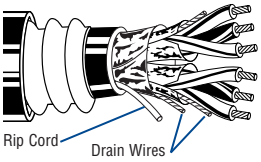


-25°C Installed
-40°C to +105°C (Dry) (75°C Wet)

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 CSA C22.2#174, HLBCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas, FT4 Flame Test	**23545****	**26539****	1	139	207	235	350	.020	.51	.27	6.9	.57	14.5
	23546	**26540**	2	210	313	345	513	.020	.51	.43	10.9	.73	18.5
	23547	**26541**	4	270	402	425	632	.020	.51	.50	12.7	.80	20.3
	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

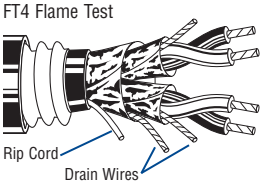


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

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 CSA C22.2#174, HLABCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	**23533****	**26514****	1	160	238	258	384	.025	.64	.30	7.6	.60	15.2
	23511	**26515**	2	247	368	384	572	.025	.64	.48	12.2	.78	19.8
	23530	**26516**	4	340	506	500	744	.025	.64	.58	14.7	.88	22.4
	23528	**26517**	6	420	625	644	958	.025	.64	.67	17.0	.98	24.9
	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

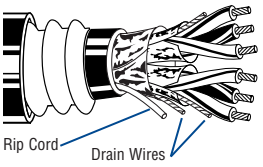


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

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 CSA C22.2#174, HLBCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas, FT4 Flame Test	**23505****	**26522****	1	175	260	275	409	.025	.64	.33	8.4	.61	15.5
	23516	**26523**	2	275	409	417	621	.025	.64	.51	13.0	.81	20.6
	23515	**26524**	4	385	573	555	826	.025	.64	.62	15.7	.93	23.6
	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



-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.

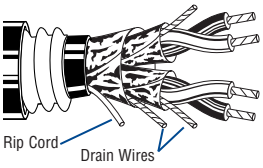
TC = Tinned Copper

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

CSA Instrumentation Cable

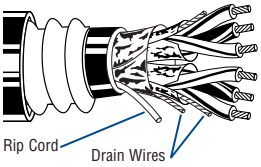
300V ACIC Armored Cables

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 CSA C22.2#174, HLABCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	**23501****	**26500****	1	175	260	280	417	.025	.64	.33	8.4	.62	15.8
	23527	**26501**	2	280	417	425	635	.025	.64	.52	13.2	.81	20.6
	23509	**26503**	4	395	588	570	848	.025	.64	.63	16.0	.93	23.6
	23500	**26504**	6	510	759	715	1064	.025	.64	.73	18.5	1.03	26.2
	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 CSA C22.2#174, HLBCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	**23507****	**26502****	1	190	282	295	439	.025	.64	.35	8.9	.63	16.0
	23522	**26509**	2	342	508	500	744	.025	.64	.58	14.7	.90	22.9
	23520	**26510**	4	450	670	640	953	.025	.64	.68	17.3	.95	24.1
	23529	**26511**	6	650	967	928	1381	.025	.64	.78	19.8	1.19	30.2
	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

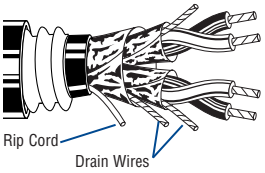
*Note: Add D suffix for XLPE insulation. Example: 23501D.
**One pair/triad cables have one foil shield and drain wire

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

CSA Instrumentation Cable

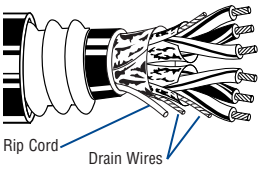
600V ACIC Armored Cables

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 CSA C22.2#174, HLABCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas, FT4 Flame Test	**24511****	**25506****	1	154	229	257	382	.030	.76	.32	8.13	.61	15.49
	24512	**25514**	2	238	354	387	575	.030	.76	.51	12.95	.82	20.83
	24513	**25503**	4	335	499	504	750	.030	.76	.63	16.00	.93	23.62
	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



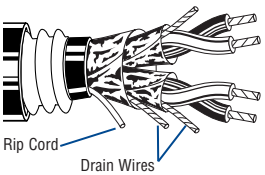
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

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



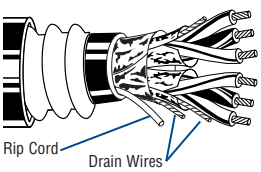
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

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 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 CSA C22.2#174, HLABCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas, FT4 Flame Test	**24500****	**25504****	1	171	254	279	415	.030	.76	.34	8.64	.64	16.26
	24505	**25510**	2	299	445	455	677	.030	.76	.59	14.99	.89	22.61
	24502	**25511**	4	450	670	583	868	.030	.76	.68	17.27	.98	24.89
	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)

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 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 CSA C22.2#174, HLBCD CSA C22.2#0.3, Clause 4.31 Low Acid Gas, FT4 Flame Test	**24501****	**25502****	1	195	290	309	460	.030	.76	.36	9.14	.66	16.76
	24507	**25507**	2	339	505	465	692	.030	.76	.62	15.75	.94	23.88
	24508	**25509**	4	464	691	793	1180	.030	.76	.72	18.29	1.05	26.67
	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.

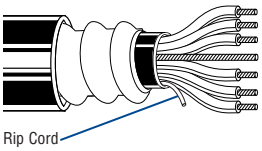
TC = Tinned Copper

*Note: Add D suffix for XLPE insulation. Example: 24511D.
**One pair/triad cables have one foil shield and drain wire

CSA Control Cable

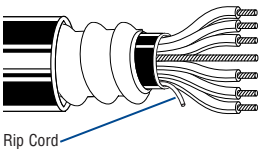
600V ACIC Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
18 AWG Stranded (7x26) Bare Copper Conductors • 18 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .030″ (.76mm) XLPE Insulation • PVC Inner Jacket • Blue PVC Outer Jacket														
CSA C22.2#239 FT4 Flame Test	**29030**	2	163	243	.32	8.13	.52	13.21	.62	15.75	44	196	7.4	187.96
	29031	3	177	263	.34	8.64	.54	13.72	.64	16.26	66	294	7.6	193.04
	29032	4	195	290	.37	9.40	.57	14.48	.67	17.02	88	392	8.0	203.20
	29033	5	219	326	.41	10.41	.61	15.49	.71	18.03	110	490	8.5	215.90
	29034	6	239	356	.45	11.43	.65	16.51	.75	19.05	132	587	9.0	228.60
	29035	7	245	365	.45	11.43	.65	16.51	.75	19.05	154	685	9.0	228.60
	29036	8	266	396	.48	12.19	.68	17.27	.78	19.81	176	783	9.3	236.22
	29038	10	331	493	.56	14.22	.76	19.30	.87	22.10	220	979	10.6	269.24
	29040	12	353	525	.62	15.75	.82	20.83	.93	23.62	264	1175	11.1	281.94
	29043	15	401	597	.65	16.51	.85	21.59	.96	24.38	330	1469	11.5	292.10
	29048	20	466	694	.73	18.54	.93	23.62	1.04	26.42	440	1958	12.4	314.96
	29053	25	589	877	.79	20.07	1.05	26.67	1.16	29.46	550	2448	13.9	353.06
	29058	30	698	1039	.88	22.35	1.14	28.96	1.25	31.75	660	2937	15.0	381.00
	29068	40	827	1231	.97	24.64	1.23	31.24	1.35	34.29	880	3916	16.2	411.48
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	**29078**	50	965	1436	1.09	27.69	1.35	34.29	1.47	37.34	1100	4895	17.6	447.04



16 AWG Stranded (7x24) Bare Copper Conductors • 16 AWG Bare Copper Ground Wire

Aluminum Interlocked Armor • .030″ (.76mm) XLPE Insulation • PVC Inner Jacket • Blue PVC Outer Jacket														
CSA C22.2#239 FT4 Flame Test	**29017**	2	202	301	.34	8.64	.54	13.72	.65	16.51	70	312	7.7	195.58
	29004	3	221	329	.36	9.14	.56	14.22	.66	16.76	105	467	7.9	200.66
	29018	4	242	360	.39	9.91	.59	14.99	.70	17.78	140	623	8.3	210.82
	29019	5	264	393	.42	10.67	.62	15.75	.73	18.54	175	779	8.6	218.44
	29005	6	292	435	.46	11.68	.66	16.76	.77	19.56	210	935	9.1	231.14
	29020	7	314	467	.47	11.94	.67	17.02	.77	19.56	245	1090	9.2	233.68
	29021	8	364	542	.50	12.70	.70	17.78	.80	20.32	280	1246	9.6	243.84
	29022	10	412	613	.61	15.49	.81	20.57	.92	23.37	350	1558	10.9	276.86
	29006	12	441	656	.63	16.00	.83	21.08	.94	23.88	420	1869	11.2	284.48
	29023	15	502	748	.68	17.27	.88	22.35	1.00	25.40	525	2336	11.9	302.26
	29007	20	636	947	.77	19.56	1.03	26.16	1.13	28.70	700	3115	13.7	347.98
	29024	25	845	1258	.89	22.61	1.15	29.21	1.26	32.00	875	3894	15.1	383.54
	29008	30	922	1372	.94	23.88	1.20	30.48	1.30	33.02	1050	4673	15.8	401.32
	29009	40	1109	1650	1.06	26.92	1.32	33.53	1.41	35.81	1400	6230	17.3	439.42
	29016	50	1306	1944	1.19	30.23	1.45	36.83	1.54	39.12	1750	7788	18.8	477.52
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	**29025**	60	1390	2070	1.27	32.26	1.53	38.86	1.66	42.16	2100	9345	19.9	505.46



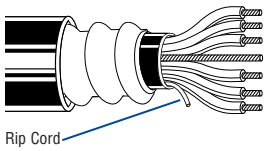
XLPE = Cross-linked Polyethylene

Color Code: #1 conductor is white; remaining conductors are black with number coding. Other color codes available upon request.

CSA Control Cable

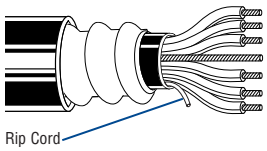
600V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .030″ (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5500**	2	198	296	.36	9.14	.56	14.22	.66	16.76	108	481	7.8	198.12
	C5501	3	222	331	.39	9.91	.58	14.73	.66	16.76	162	721	8.2	208.28
	C5502	4	251	375	.42	10.67	.62	15.75	.71	18.03	216	961	8.5	215.90
	C5503	5	284	424	.47	11.94	.66	16.76	.74	18.80	270	1202	9.0	228.60
	C5504	6	317	473	.51	12.95	.70	17.78	.78	19.81	324	1442	9.5	241.30
	C5505	7	331	494	.51	12.95	.70	17.78	.78	19.81	378	1682	9.5	241.30
	C5506	8	414	618	.58	14.73	.77	19.56	.86	21.84	432	1922	10.4	264.16
	C5508	10	510	761	.67	17.02	.93	23.62	.95	24.13	540	2403	12.3	312.42
	C5510	12	551	822	.69	17.53	.95	24.13	.97	24.64	648	2884	12.6	320.04
	C5513	15	636	949	.77	19.56	1.03	26.16	1.11	28.19	810	3605	14.1	358.14
	C5518	20	810	1209	.90	22.86	1.16	29.46	1.24	31.50	1080	4806	15.1	383.54
	C5523	25	948	1415	.90	22.86	1.24	31.50	1.33	33.78	1350	6008	16.1	408.94
	C5528	30	1047	1563	1.05	26.67	1.30	33.02	1.40	35.56	1620	7209	16.8	426.72
	C5529	40	1310	1955	1.20	30.48	1.42	36.07	1.51	38.35	2160	9612	18.3	464.82
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	**C6064**	50	1620	2418	1.35	34.29	1.60	40.64	1.66	42.16	2700	12015	20.5	520.70



12 AWG Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire

Aluminum Interlocked Armor • .030″ (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5530**	2	225	336	.41	10.41	.60	15.24	.69	17.53	172	765	8.3	210.82
	C5531	3	261	390	.43	10.92	.62	15.75	.70	17.78	258	1148	8.6	218.44
	C5532	4	301	449	.47	11.94	.66	16.76	.73	18.54	344	1531	9.1	231.14
	C5533	5	348	519	.52	13.21	.71	18.03	.78	19.81	430	1914	9.1	231.14
	C5534	6	435	649	.59	14.99	.78	19.81	.86	21.84	516	2296	10.5	266.70
	C5535	7	450	672	.59	14.99	.78	19.81	.86	21.84	602	2679	10.5	266.70
	C5536	8	506	755	.64	16.26	.83	21.08	.92	23.37	688	3062	11.1	281.94
	C5538	10	633	945	.75	19.05	1.01	25.65	1.02	25.91	860	3827	13.3	337.82
	C5540	12	696	1039	.77	19.56	1.03	26.16	1.12	28.45	1032	4592	13.5	342.90
	C5543	15	823	1228	.90	22.86	1.16	29.46	1.24	31.50	1290	5741	15.1	383.54
	C5548	20	1035	1545	.99	25.15	1.25	31.75	1.34	34.04	1720	7654	16.5	419.10
	C5553	25	1230	1836	1.10	27.94	1.36	34.54	1.45	36.83	2150	9568	17.6	447.04
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	**C5558**	30	1390	2075	1.20	30.48	1.46	37.08	1.51	38.35	2580	11481	17.6	447.04



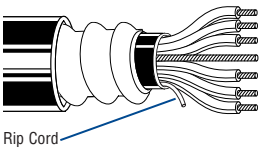
XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White
5 or more conductors — Black and numbered

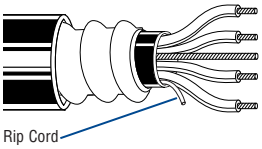
CSA Control Cable

600V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
10 AWG Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .030″ (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5560**	2	278	415	.48	12.19	.66	16.76	.72	18.29	296	1317	8.9	226.06
	C5561	3	327	488	.50	12.70	.70	17.78	.75	19.05	444	1976	9.2	233.68
	C5562	4	405	604	.57	14.48	.77	19.56	.79	20.07	592	2634	10.1	256.64
	C5563	5	487	727	.63	16.00	.83	21.08	.93	23.62	740	3293	11.5	292.10
	C5564	6	556	830	.68	17.27	.88	22.35	.93	23.62	888	3952	11.5	292.10
	C5565	7	627	936	.69	17.53	.89	22.61	.99	25.15	1036	4610	11.8	299.72
	C5566	8	739	1103	.74	18.80	.94	23.88	1.00	25.40	1184	5269	12.4	314.96
	C5568	10	964	1439	.84	21.34	1.10	27.94	1.24	31.50	1480	6586	14.4	365.76
	C5570	12	1067	1593	.93	23.62	1.19	30.23	1.26	32.00	1776	7903	15.6	396.24
	C5573	15	1297	1936	.99	25.15	1.25	31.75	1.37	34.80	2220	9879	16.3	414.02
	C5578	20	1546	2307	1.13	28.70	1.39	35.31	1.47	37.34	2960	13172	16.9	429.26
	C5579	25	1802	2690	1.26	32.00	1.52	38.61	1.60	40.64	3700	16465	19.7	500.38
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	**C5580**	30	2142	3197	1.34	34.04	1.60	40.64	1.66	42.16	4440	19758	20.6	523.24



8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .045″ (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5583**	2	407	607	.59	14.99	.78	19.81	.86	21.84	384	1709	10.6	269.24
	C5581	3	471	703	.63	16.00	.83	21.08	.90	22.86	576	2563	10.8	274.32
	C5582	4	606	904	.69	17.53	.89	22.61	.97	24.64	768	3418	12.5	317.50



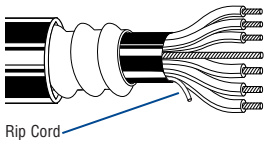
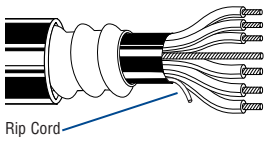
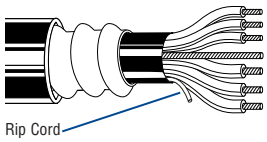
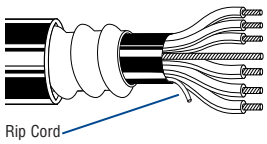
Dual Rated 600V, 1000V
HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White
5 or more conductors — Black and numbered

CSA Control Cable

600V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
Composite 14 AWG Stranded (7x22) **and 12 AWG** Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .031″ (.79mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6054**	3c/14 3c/12	369	549	.560	14.22	.75	19.05	.89	22.61	424	1886	8.4	213.36
														
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
Composite 14 AWG Stranded (7x22) **and 10 AWG** Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .031″ (.79mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6051**	3c/14 3c/10	432	643	.600	15.24	.82	20.83	.92	23.37	608	2705	9.0	228.60
														
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
Composite 14 AWG Stranded (7x22) **and 8 AWG** Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .046″ (1.17mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6059**	3c/14 3c/8	608	905	.700	17.78	.89	22.51	.98	24.92	1160	5160	9.8	248.92
														
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
Composite 14 AWG Stranded (7x22) **and 6 AWG** Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .061″ (1.55mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6060**	3c/14 3c/6	849	1264	.810	20.57	1.06	27.00	1.16	29.41	1700	7562	11.6	294.64
														
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														

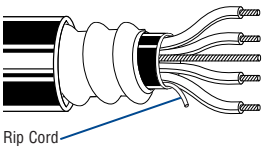
XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White
5 or more conductors — Black and numbered

CSA Control Cable

1000V Teck90 Cables

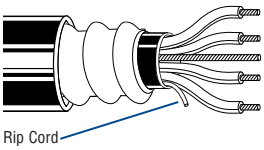
Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .045″ (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5701**	3	251	374	.47	11.94	.67	17.02	.73	18.54	162	721	9.2	233.68
	C5702	4	301	448	.51	12.95	.71	18.03	.81	20.57	216	961	9.7	246.38



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

12 AWG Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire

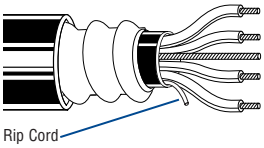
Aluminum Interlocked Armor • .045″ (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5730**	2	253	377	.48	12.19	.68	17.27	.74	18.80	172	765	9.3	236.22
	C5731	3	291	433	.51	12.95	.71	18.03	.76	19.30	258	1148	9.7	246.38
	C5732	4	368	548	.59	14.99	.75	19.05	.85	21.59	344	1531	10.8	274.32



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

10 AWG Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire

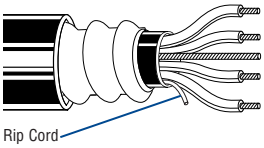
Aluminum Interlocked Armor • .045″ (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5760**	2	285	424	.56	14.22	.79	19.99	.70	17.71	296	1317	10.3	261.62
	C5761	3	389	581	.59	14.99	.79	20.07	.85	21.59	444	1976	10.3	261.62
	C5762	4	460	687	.65	16.51	.85	21.59	.90	22.86	592	2634	11.5	292.10



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire

Aluminum Interlocked Armor • .045″ (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5583**	2	407	607	.59	14.99	.78	19.81	.86	21.84	384	1709	10.6	269.24
	C5581	3	471	703	.63	16.00	.83	21.08	.90	22.86	576	2563	10.8	274.32
	C5582	4	606	905	.69	17.53	.89	22.61	.97	24.64	768	3418	12.5	317.50



Dual Rated 600V, 1000V
HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

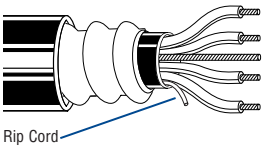
XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White
5 or more conductors — Black and numbered

CSA Control Cable

1000V Teck90 Cables

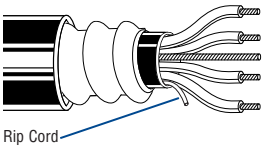
Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .060″ (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5590**	2	567	844	.73	18.54	.99	25.15	1.10	27.94	610	2713	12.8	325.12
	C5591	3	685	1019	.78	19.81	1.04	26.42	1.15	29.21	915	4072	13.4	340.36
	C5592	4	927	1380	.89	22.61	1.15	29.21	1.24	31.50	1220	5429	14.9	378.46



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

4 AWG Stranded (7x12) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire

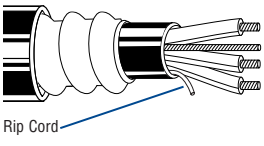
Aluminum Interlocked Armor • .060″ (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5601**	3	961	1430	.91	23.11	1.17	29.72	1.23	31.24	1455	6475	15.2	386.08
	C5602	4	1202	1794	.91	23.11	1.25	31.75	1.33	33.78	1940	8633	16.2	411.48



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

3 AWG Stranded (7x11) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire

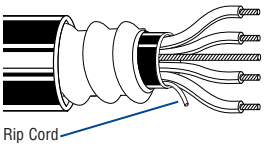
Aluminum Interlocked Armor • .060″ (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5611**	3	1126	1681	.97	24.64	1.23	31.24	1.30	33.02	1836	8170	15.8	401.32



HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

2 AWG Stranded (7x10) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire

Aluminum Interlocked Armor • .060″ (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5621**	3	1291	1927	1.02	25.91	1.28	32.51	1.37	34.80	2316	10302	16.5	419.10
	C5622	4	1691	2524	1.12	28.45	1.38	35.05	1.48	37.59	3088	13736	17.7	449.58



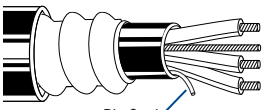
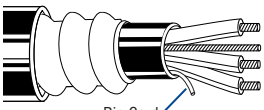
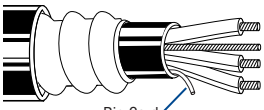
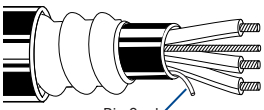
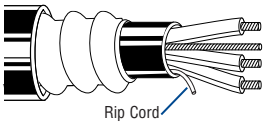
HAZ LOC
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White

CSA Control Cable

1000V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./ 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
1 AWG Stranded (19x14) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .080″ (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5625**	3	1620	2411	1.25	31.75	1.51	38.35	1.59	40.39	1980	8807	19.1	485.14
	C5626	4	2173	3234	1.34	34.04	1.57	39.88	1.68	42.67	2680	11921	20.2	513.08
 HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
1/0 AWG Stranded (19x12) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .080″ (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5627**	3	1912	2854	1.34	34.04	1.60	40.64	1.67	42.42	3582	15940	20.0	508.0
	6164	4	2514	3742	1.44	36.58	1.67	42.42	1.78	45.21	4700	20906	21.4	543.56
 HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
2/0 AWG Stranded (19x11) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .080″ (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**C5635**	3	2300	3423	1.40	35.56	1.63	41.40	1.74	44.20	4200	12010	20.9	530.86
	6157	4	3039	4523	1.55	39.37	1.84	46.74	1.95	49.53	5500	24465	23.4	594.36
 HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
3/0 AWG Stranded (19x10) Bare Copper Conductors • 4 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .080″ (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6163**	3	2905	4324	1.51	38.10	1.80	45.72	1.91	48.26	5020	11121	22.9	579.12
	6179	4	3700	5506	1.67	42.42	1.96	49.78	2.07	52.58	6500	28913	24.8	629.92
 HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														
4/0 AWG Stranded (19x9.5) Bare Copper Conductors • 4 AWG Bare Copper Ground Wire														
Aluminum Interlocked Armor • .080″ (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket														
CSA C22.2#131 FT4 Flame Test	**6193**	3	3450	5134	1.63	41.40	1.92	48.77	2.03	51.56	6650	29580	24.4	619.76
 HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														

XLPE = Cross-linked Polyethylene

Color Code: 3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)
4 conductors — Black, Red, Blue, White