

Belden Infinity® Flexible Automation Cables

300V Flex Data Cables (1 Million Flex Cycles#)



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

Flex Data • 24 AWG • Stranded (41x40) 0.6 mm BC • Twisted Pair • Overall Beldfoil® Shield + Overall 85% TC Braid + Drain Wire

Foam Polyethylene Insulation with Skin • Bright Green Oil-Resistant PVC Jacket

300V 80°C	NEC: CM CEC: CM						0.58 mm 24 AWG (41x40) BC	0.071	1.80					-				
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Overall Beldfoil® + Overall 85% TC Braid + Drain Wire (24 AWG TC)



7200A	1-Pair	500 1000	152 305	17.0 38.1	7.7 17.3							0.240	6.10	120		CDR/CDR	15	49	White, Blue	
																				RS-232, RS-485
7201A	2-Pair	500 1000	152 305	31.1 60.0	14.1 27.2							0.322	8.18	120		CDR/CDR	15	49	see chart 5 (Tech Info Section)	
																				RS-232, RS-485
7202A	3-Pair	500 1000	152 305	33.5 68.1	15.2 30.9							0.347	8.81	120		CDR/CDR	15	49	see chart 5 (Tech Info Section)	
																				RS-232, RS-485
7203A	4-Pair	500 1000	152 305	39.0 79.1	17.7 35.9							0.362	9.20	120		CDR/CDR	15	49	see chart 5 (Tech Info Section)	
																				RS-232, RS-485
7205A	1-Pair	500 1000	152 305	17.4 38.1	7.9 17.3							0.232	5.89	100		CDR/CDR	14	46	White, Blue	
																				RS-232, RS-422
7206A	1-Pair	1000	305	59.1	26.8							0.302	7.67	150		CDR/CDR	10	33	White, Blue	
																				RS-232, RS-485

Temp. Rating: -20° to 60°C (-5°C to 60°C flexing)

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Based on proper installation techniques in a C-track cable guide.

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			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Sub-Mini Type • 30 AWG • Stranded (7x38) 0.3 mm Tinned Cadmium Bronze • 95% Tinned Copper French Braid®**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

30V 80°C	7500A	CEC:	† 250	76	3.1	1.4	0.31 mm	0.056	1.42	French Braid®	0.110	2.79	75	78%	16.7	54.8	2.2	0.9	2.95
UL AWM Style 1354	FT1		† 500	152	5.1	2.3	30 AWG			+ 95% TC							5	1.4	4.59
			† 1000	305	9.0	4.1	(7x38) TCB			43.6 Ω/km***							10	2.0	6.56
							379.9 Ω/km*										30	3.4	11.16
							354.3 Ω/km**										50	4.4	14.44
																	100	6.4	21.00

CSA AWM I/II A/B

Mini Type • 25 AWG • Stranded (19x38) 0.5 mm Bare Copper • 95% Tinned Copper French Braid®**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

30V 80°C	7501A	CEC:	† 500	152	7.5	3.4	0.48 mm	0.090	2.29	French Braid®	0.146	3.71	75	77%	17.7	58.1	2.2	0.6	1.97
UL AWM Style 1354	FT1		† 1000	305	14.1	6.4	25 AWG			+ 95% TC							5	0.9	2.95
							(19x38) BC			29.9 Ω/km***							10	1.3	4.27
							144.7 Ω/km*										30	2.2	7.22
							114.8 Ω/km**										50	2.9	9.52
																	100	4.2	13.78

CSA AWM I/II A/B

RG-59 Type • 22 AWG • Stranded (19x34) 0.8 mm Bare Copper • 95% Tinned Copper French Braid®**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

30V 80°C	7502A	CEC:	† 250	76	10.6	4.8	0.79 mm	0.146	3.71	French Braid®	0.242	6.15	75	79%	18.0	59.1	2.2	0.4	1.31
UL AWM Style 1354	FT1		† 500	152	18.1	8.2	22 AWG			+ 95% TC							5	0.5	1.64
			† 1000	305	34.0	15.4	(19x34) BC			21.0 Ω/km***							10	0.8	2.63
							65.0 Ω/km*										30	1.4	4.59
							44.0 Ω/km**										50	1.8	5.91
																	100	2.7	8.86

CSA AWM I/II A/B

RG-6/U Type • 18 AWG • Stranded (7x15x40) 1.0 mm Bare Copper • 95% Tinned Copper French Braid®**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

30V 80°C	7503A	CEC:	† 250	76	12.1	5.5	1.02 mm	0.185	4.70	French Braid®	0.275	6.99	75	80%	17.3	56.8	2.2	0.3	0.98
UL AWM Style 1354	FT1		† 500	152	20.9	9.5	18 AWG			+ 95% TC							5	0.4	1.31
			† 1000	305	40.1	18.2	(7x15x40) BC			36.1 Ω/km***							10	0.6	1.97
							62.7 Ω/km*										30	1.1	3.61
							26.6 Ω/km**										50	1.5	4.92
																	100	2.2	7.22

CSA AWM I/II A/B

RG-11 Type • 16 AWG • Stranded (7x37x40) 1.7 mm Bare Copper • 95% Tinned Copper French Braid®**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

30V 80°C	7504A	CEC:	† 1000	305	84.0	38.1	1.65 mm	0.285	7.24	French Braid®	0.405	10.29	75	81%	17.3	56.8	2.2	0.2	0.66
UL AWM Style 1354	FT1						16 AWG			+ 95% TC							5	0.3	0.98
							(7x37x40) BC			11.8 Ω/km***							10	0.4	1.31
							23.3 Ω/km*										30	0.8	2.63
							11.5 Ω/km**										50	1.0	3.28
																	100	1.5	4.92

CSA AWM I/II A/B

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor

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

Based on proper installation techniques in a C-track cable guide.