

PRODUCT SPECIFICATION SHEET

Product Name: IGUS® Chainflex® CF5 Economy Non-Shielded PVC Control Cables

Technical Data	
Minimum bending radius, moving:	<10m travel = 6.8 x outer diameter; ≥10m travel = 7.5 x outer diameter
Minimum bending radius, fixed:	4 x outer cable diameter
Permissible temperature, moving:	+23° F to +158° F (-5° C to +70° C)
Permissible temperature, fixed:	-4° F to +158° F (-20° C to +70° C)
Voltage:	300V 20-16 AWG, 600V 14 AWG
Testing voltage:	2000V
Oil resistance:	Medium
UV resistance:	Medium
Regulations	
cRUus:	UL AWM style for USA & Canada: 2464 80°C 20-16 AWG; 2570 80°C 14 AWG
Flame Resistance:	FT1
VDE:	Compliant
CE:	Compliant
RoHS:	Compliant
Conductor Colors:	20-14 AWG: Black with white numbers, one conductor green-yellow
	22-24 AWG: DIN 47100

Part #	AWG	# Of Conductors & Rated Cross-Section (in mm)	Outer Diameter (Approx.)		Copper Index		Weight	
			Inches	mm	Lbs/Mft	Kg/Km	Lbs/Mft	Kg/Km
IGU-CF5-02-36	24	36 x 0.24	0.57"	14.5	58.5	87	187	275
IGU-CF5-03-25	22	25 x 0.34	0.53"	13.5	55.8	82	159.1	234
IGU-CF5-05-02	20	2 x 0.5	0.22"	5.5	6.5	9.6	23.1	34
IGU-CF5-05-03	20	3 x 0.5	0.24"	6	9.8	14.4	28.6	42
IGU-CF5-05-07	20	7 x 0.5	0.31"	8	23.1	34	52.4	77
IGU-CF5-05-12	20	12 x 0.5	0.51"	13	39.4	58	107.4	158
IGU-CF5-05-18	20	18 x 0.5	0.53"	13.5	58.5	86	156.4	230
IGU-CF5-05-25	20	25 x 0.5	0.67"	17	82.3	121	210.8	310
IGU-CF5-05-30	20	30 x 0.5	0.73"	18.5	97.9	144	273.3	402

Part #	AWG	# Of Conductors & Rated Cross-Section (in mm)	Outer Diameter (Approx.)		Copper Index		Weight	
			Inches	mm	Lbs/Mft	Kg/Km	Lbs/Mft	Kg/Km
IGU-CF5-07-03	18	3 x 0.75	0.26"	6.5	15	22	42.8	63
IGU-CF5-07-04	18	4 x 0.75	0.28"	7	19.7	29	49	72
IGU-CF5-07-05	18	5 x 0.75	0.31"	8	24.5	36	57.8	85
IGU-CF5-07-07	18	7 x 0.75	0.35"	9	34	50	73.4	108
IGU-CF5-07-12	18	12 x 0.75	0.55"	14	58.5	86	163.2	240
IGU-CF5-07-18	18	18 x 0.75	0.71"	18	88.4	130	219	322
IGU-CF5-07-25	18	25 x 0.75	0.75"	19	123.1	181	293.8	432
IGU-CF5-07-36	18	36 x 0.75	0.87"	22	176.1	259	383.5	564
IGU-CF5-07-42	18	42 x 0.75	0.91"	23.5	205.4	302	372.6	610
IGU-CF5-10-03	17	3 x 1	0.28"	7	19.7	29	42.2	62
IGU-CF5-10-04	17	4 x 1	0.31"	8	26.5	39	57.8	85
IGU-CF5-10-05	17	5 x 1	0.31"	8	32.6	48	68	100
IGU-CF5-10-07	17	7 x 1	0.39"	10	46.2	68	98.6	145
IGU-CF5-10-12	17	12 x 1	0.59"	15	78.9	116	176.8	260
IGU-CF5-10-18	17	18 x 1	0.75"	19	117.6	173	306	450
IGU-CF5-10-25	17	25 x 1	0.79"	20	163.9	241	401.2	590
IGU-CF5-15-03	16	3 x 1.5	0.31"	8	29.9	44	64.6	95
IGU-CF5-15-04	16	4 x 1.5	0.35"	9	39.4	58	81.6	120
IGU-CF5-15-05	16	5 x 1.5	0.39"	10	49	72	115.6	170
IGU-CF5-15-07	16	7 x 1.5	0.51"	13	68.7	101	149.6	220
IGU-CF5-15-12	16	12 x 1.5	0.63"	16	117.6	173	217.6	320
IGU-CF5-15-18	16	18 x 1.5	0.87"	22	176.8	260	374	550
IGU-CF5-15-25	16	25 x 1.5	0.94"	24	245.5	361	550.8	810
IGU-CF5-15-36	16	36 x 1.5	1.02"	26	352.2	518	666.4	980
IGU-CF5-25-04	14	4 x 2.5	0.43"	11	65.3	96	136	200
IGU-CF5-25-05	14	5 x 2.5	0.47"	12	81.6	120	170	250
IGU-CF5-25-07	14	7 x 2.5	0.59"	15	114.2	168	231.2	340
IGU-CF5-25-18	14	18 x 2.5	1.08"	27.5	293.8	432	659.6	970
IGU-CF5-25-25	14	25 x 2.5	1.24"	31.5	408	600	928.9	1366

lbs/mft = pounds per thousand feet