

Low Loss Flexible Cables

CFC Flexible Cables:

CABLE TYPE	CFCF _K -50-8	CFBJ-50-1	CFCF _K -50-12
	CTL-10	CTL-11	CTL-12
Outer Diameter (mm.nom)	10.5	13	14.5
Center Conductor Type	Stranded	Solid	Solid
Weight (g/m max)	220	210	320
Bend Radius (mm. min)	70	90	105

CABLE TYPE	CFCF _K -50-8	CFBJ-50-1	CFCF _K -50-12
	CTL-10	CTL-11	CTL-12
Operating Frequency(max)	15GHz	3GHz	9GHz
Impedance (Ω)	50	50	50
Propagation Velocity	88%	88%	88%
Capacitance (pf/m)	81	81	81
Insertion Loss dB/m	0.4(GHz)	0.095	0.05
	1(GHz)	0.17	0.078(0.6 GHz)
	3(GHz)	0.29	0.093 (0.8 GHz)
	8(GHz)	0.49	0.12(1 GHz)
	10(GHz)	0.59	0.18(2GHz)
	15 GHz	0.76	0.29(3 GHz)
VSWR	<1.40	<1.40	<1.45
Temperature range	-55°Cto+250°C	-55°Cto+85°C	-55°Cto+250°C

Low Loss Flexible Cables

CFC Series

CABLE TYPE	CFCF46-50-4-51 CTL-01	CFCG-50-5 CTL-02	CFCJP-50-7 CTL-03
Outer Diameter (mm. Typ.)	5.5	7.5	10.5
Center Conductor Type	Solid	Stranded	Stranded
Weight (g/m max)	60	80	150
Bend Radius (mm min.)	30	35	55

CABLE TYPE	CFCF46-50-4-51 CTL-01	CFCG-50-5 CTL-02	CFCJP-50-7 CTL-03
Operating Frequency(max.)	18GHz	18GHz	15GHz
Impedance (O)	50	50	50
Propagation Velocity	84%	84%	84%
Capacitance (pf/m)	80	88	83
Insertion Loss dB/m	1GHz	0.30	0.19
	3GHz	0.55	0.36
	6 GHz	0.80	0.53
	10 GHz	1.05	0.71
	15 GHz	1.25	0.92
	18 GHz	1.6	1.15
VSWR	<1.40	<1.40	<1.40
Temperature range	-65°C to 200°C	-55°C to 150°C	-55°C to 85°C

Low Loss Flexible Cables

CFC Series:

CABLE TYPE	CFCZ-50-2-51 CTL-04	CFCG-50-2 CTL-05	CFCF46-50-3 CTL-06
Outer Diameter (mm.nom.)	4.5	4.5	4.5
Center Conductor Type	Stranded	Solid	Solid
Weight (g/m max.)	20	20	18
Bend Radius (mm. min.)	20	20	20

CABLE TYPE	CFCZ-50-2-51 CTL-04	CFCG-50-2 CTL-05	CFCF46-50-3 CTL-06	
Operating Frequency(max.)	40GHz	40GHz	26.5GHz	
Impedance (Ω)	50	50	50	
Propagation Velocity	84%	84%	71%	
Capacitance (pf/m)	80	88	79	
Insertion Loss dB/m	1GHz	0.53	0.38	0.38
	3GHz	0.75	0.54	0.66
	6 GHz	1.2	0.98	1.02
	10 GHz	1.62	1.35	1.4
	15 GHz	2.1	1.7	1.9
	18 GHz	2.49	1.9	2.02
	26GHz	2.80	2.8	3.1
	40GHz	4.5	3.5	-
VSWR	<1.55	<1.55	<1.45	
Temperature range	-65°C to 85°C	-55°C to 150°C	-55°C to 150°C	

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CFC Series:

CABLE TYPE	CFCJ-50-3 CTL-07	CFCJ-50-5 CTL-08	CFCJ-50-7 CTL-09
Outer Diameter (mm.nom.)	5.0	7.3	10.5
Center Conductor Type	Stranded	Stranded	Stranded
Weight (g/m max.)	60	80	150
Bend Radius (mm min.)	25	35	55

CABLE TYPE	CFCJ-50-3 CTL-07	CFCJ-50-5 CTL-08	CFCJ-50-7 CTL-09
Operating Frequency(max.)	18GHz	18GHz	15GHz
Impedance (O)	50	50	50
Propagation Velocity	80%	80%	80%
Capacitance (pf/m)	81	81	81
Insertion Loss dB/m	1GHz	0.75	0.34
	3GHz	0.85	0.61
	6 GHz	1.24	0.90
	10 GHz	1.64	1.28
	15 GHz	2.07	1.65
	18 GHz	2.29	1.83
VSWR	<1.40	<1.40	<1.45
Temperature range	-55°C to 85°C	-55°C to 85°C	-55°C to +85°C

Low Loss Semi-Rigid Cables

CFT Series:

CABLE TYPE	CFT-50-2 CFT-1	CFT-50-3 CFT-2	CFTG-50-3 CFT-3
Outer Diameter (mm.nom.)	2.18	3.6	3.6
Center Conductor Type	Solid	Solid	Solid
Bend Radius (mm. min.)	6.35	8	/

CABLE TYPE	CFT-50-2 CFT-2	CFT-50-3 CFT-3	CFTG-50-3 CFT-4
Operating Frequency (max.)	40GHz	18GHz	18GHz
Impedance (Ω)	50	50	50
Propagation Velocity	70%	70%	70%
Capacitance (pf/m)	95	95	95
Insertion Loss dB/m (max)	0.5GHz	0.50	0.27
	1GHz	0.73	0.40
	3 GHz	1.05	0.69
	5 GHz	1.65	0.96
	10 GHz	2.63	1.48
	20GHz	4.27	2.30
	26GHz		-
VSWR	<1.1	<1.1	<1.1
Temperature range	-55°C to 125°C	-55°C to 125°C	-40°C to 100°C

Low Loss Semi-Flexible Cables

CFX Series:

CABLE TYPE	CFX-50-2 CFX-1	CFX-50-3 CFX-2	CFX-75-2 CFX-3	CFX-75-3 CFX-4
OuterDiameter(mm.nom.)	2.1	3.58	2.10	3.58
Center Conductor Type	Solid	Solid	Solid	Solid
Bend Radius (mm min.)	8	11	6	11

CABLE TYPE	CFX-50-2 CFX-1	CFX-50-3 CFX-2	CFX-75-2 CFX-3	CFX-75-3 CFX-4
Operating Frequency (max.)	40GHz	18GHz	40GHz	18GHz
Impedance (Ω)	50	50	75	75
Insertion Loss dB/m (nom.)	0.5GHz	0.48	0.27	0.67
	1GHz	0.72	0.39	0.96
	2GHz	1.03	0.58	1.36
	5 GHz	1.73	1.00	1.90
	10 GHz	2.59	1.56	3.18
	15 GHz	3.17	1.95	4.10
	18GHz	3.70	2.33	4.40
VSWR	<1.2	<1.2	<1.2	<1.2
Temperature range	-55° C to125° C	-55° C to125° C	-55° C to125° C	-55° C to125° C