

EATURES / BENEFITS	
Ultra Low Attenuation	l
The reduced attenuation of CELLFLEX® coaxial cable results in extremly efficient signal	
transfer in your RF system, especially at high frequencies.	
Complete Shielding	
The solid outer conductor of CELLFLEX® coaxial cable creates a continuous RFI/EMI	
shield that minimizes system interference.	
Low VSWR	
Special low VSWR versions of CELLFLEX® coaxial cables contribute to low system noise.	
Outstanding Intermodulation Performance	1
CELLFLEX® coaxial cable's solid inner and outer conductors virtually eliminate	
intermods. Intermodulation performance is also confirmed with state-of-the-art	
equipment at the RFS factory.	
High Power Rating	
Due to their low attenuation, outstanding heat transfer properties and temperature	
stabilized dielectric materials, CELLFLEX® cable provides safe long term operating life at	
high transmit power levels.	
Wide Range of Application	
Typical areas of application are: feedlines for broadcast and terrestrial microwave	
antennas, wireless cellular, PCS and ESMR base stations, cabling of antenna arrays, and	
radio equipment interconnects	

## INFORMATION

Applications		OEM jumpers, BTS inter-cabinet connections, GPS lines, intended for outdoor usage	
STRUCTURE			
Size		3/8	
Inner Conductor Diameter	mm (in)	2.6 (0.102)	
Inner Conductor Material		Copper-Clad Aluminum Wire	
Dielectric Diameter	mm (in)	6.3 (0.248)	
Dielectric Material		Foam Polyethylene	
Outer Conductor Diameter	mm (in)	9.1 (0.358)	
Outer Conductor Material		Corrugated Copper	
Jacket Diameter	mm (in)	10.2 (0.402)	
Jacket Material		Black Polyethylene	
TESTING AND ENVIRONMENTAL			
Phase Stabilized		Phase stabilized and phase matched cables and accessories are available upon request	
		DIN EN ISO 9001:2015	
Compliance		ISO 14001:2015	
		RoHS 2011/65/EU - China RoHS SJ/T 11364-2006	
		REACH (EC 1907/2006)	
Installation Temperature	°C(°F)	-40 to 60 (-40 to 140)	
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185)	
Operation Temperature	°C(°F)	-50 to 85 (-58 to 185)	

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mpedance	Ω		50 +/- 1	
Maximum Frequency	GHz	13.4		
/elocity	%	81		
Capacitance	pF/m (pF/ft)	82 (25)		
nductance	uH/m (uH/ft)		0.207 (0.063)	
Peak Power Rating	kW		11.9	
RF Peak Voltage	Volts		1090	
acket Spark	Volt RMS		5000	
nner Conductor dc Resistance	Ω/1000 m (Ω/1000 ft)	5.52 (1.68)		
Outer Conductor dc Resistance	Ω/1000 m (Ω/1000 ft)	7.3 (2.23)		
Passive Intermodulation PIM	typ. dBc	-160		
Return Loss (VSWR) Performance		Standard 20c	IB (1.222) / Premium 23/24dB (1.152/1.	35) on specified frequencies
MECHANICAL SPECIFICATIONS				
Cable Weight, Nominal	kg/m (lb/ft)	0.1 (0.06)		
Minimum Bending Radius, Repeated Bends	mm (in)	25 (0.984)		
ensile Strength	N (lb)	600 (135)		
Recommended / Maximum Clamp Spacing	m (ft)	0.25 / 0.25 (0.8 / 0.8)		
ATTENUATION @ 20°C (68°F) AND I	POWER RATIN	G @ 40°C (104°F)		
Frequency, MHz	dB per 100m		dB per 100ft	Power, kW
100	4.21		1.28	1.88
200	6.04		1.84	1.31
150	9.31		2.84	0.85
/00	11.83		3.61	0.67
800	12.73		3.88	0.62
900		13.58	4.14	0.58
1800	20.05		6.11	0.39
2000	21.3		6.49	0.37
2200	22.51		6.86	0.35
2400	23.67		7.21	0.33
2700	25.35		7.73	0.31
000	26.97		8.22	0.29
500	29.55		9.01	0.27
4000	32		9.75	0.25
5000	36.62		11.16	0.22
13400	68.3		20.82	0.12

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RELATED PRODUCTS					
Connector Interface	Premium Connector Series E01	Premium Connector Series D01 *only on request			
N Male	NM-SCF38-E01	NM-SCF38-D01			
N Female	NF-SCF38-E01	NF-SCF38-D01			
4.3-10 Male	43M-SCF38-E01				
Mandatory Tool	TRIM-SET-S38-D01				
Tool Information	Universal Trimming Tool For *-D01 And *-E01 Connector Series				
Installation Video					
General Accessories					
Hand Tool Kit	TRIM-T01				
Grounding Kit	EAR-38-S				

Notes

External Document Links

**CELLFLEX** Drum Selection Guide

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