SRFS TELEINFRA

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1/2" coaxial Superflex cable Model No.: SRFS.SUC-RF0727-1/2"S

- Low Attenuation
- Low VSWR
- High Expansion
- High Power Rating
- Excellent Performance

ELECTRICAL SPECIFICATIONS			
Impedance(Ω)	50±1		
Capacitance (PF/m)	80		
Peak Power (KW)	19		
Propagation velocity (%)	83		
RF Peak Voltage (KV)	1.13		
Insulation resistance(MΩ•km)	>5×10³		
Insulation Voltage (K Vrms)	2.5		
Screening attenuation(dB)	>>120		
Inner Conductor DC Resistance(Ω/km)	2.85		
Outer Conductor DC Resistance(Ω/km)	3.5		
Screening attenuation(dB)	>>120		
Jacket Spark (K Vrms)	5		
Cut Off Frequency (GHz)	12.5		
MECHANICAL SPECIFICATIONS			
Min Single Bending Radius(mm) Min	50		
Repeated Bending Radius(mm)	125		
No. of Bends	15		
Tensile Strength(kg)	110		
Recommended temperature(°C)	PE jacket	Store Installation Operation	-55~+85 20~+60 -55~+85
	Fire retardant PE jacket	Store Installation Operation	-55~+85 20~+60 -55~+85

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VSWR	
820~960 MHz	≤1.15
2300~2400 MHz	≤1.15
1700~2200 MHz	≤1.15
2500~2700 MHz	≤1.15
Standard	
2011/65/EU	Compliant
IEC61196.1-2005	Compliant

Attenuation and average power		
Frequency (MHz)	Nom. attenuation (@20°C,dB/100m)	Power rate(@20°C,kW)
100	3.22	3.03
200	4.65	2.11
450	7.20	1.37
800	9.86	1.00
900	10.56	0.94
1000	11.15	0.88
1500	13.80	0.70
1800	15.55	0.63
2000	16.40	0.59
2200	17.35	0.56
2400	18.10	0.53
2500	18.50	0.52
3000	20.90	20.90

Construction	Material	Diameter
Inner Conductor	Copper clad aluminum wire	3.60±0.05
Insulation	Physically foamed PE	8.80±0.30
Outer conductor	Ring corrugated copper	12.10±0.20
Jacket	PE or fire retardant PE	13.40±0.20

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