

STANDARD

Title : **SFC38-50J**Item : **3851**Cable with standard UV resistant PE jacket
halogen free according

FLAME RETARDANT

Title : **SFC38-50JFR**Item : **3851-FR**Cable with UV resistant, halogen free,
low smoke flame retardant jacket

Construction Parameters

Inner Conductor	2.60±0.05mm Copper Clad Aluminum Wire
Insulation	6.70±0.20mm Foamed PE
Outer Conductor	9.10±0.15mm Helical Corrugated Copper Tube
Jacket	10.20±0.20mm PE, Black
Jacket Thickness	> 0.80 mm

Electrical Characteristics

Capacitance	80 pF/m
Impedance	50 Ω
Velocity of Propagation	0.83
Peak Power Rating	12 kW
Peak Voltage	2.50 kV
Insulation Resistance	>5000 MΩ.km
Insulation Voltage	2.5 KV
Inner Conductor DC Resistance	5.0 Ω/km
Outer Conductor DC Resistance	3.50 Ω/km

VSWR

800MHz-1000MHz	1.1
1700MHz-2500MHz	1.1
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties

Bending Radius (Single Bend)	12,5 mm
Bending Radius (Repeated Bend)	25 mm
Operating Temp Range	-55 to +85 °C

Attenuation (20°C)

Frequency (MHz)	Attenuation (dB/100m)	Average Power (kW)
100	4.18	1.90
200	5.96	1.30
450	9.14	0.87
800	12.32	0.64
900	13.15	0.60
1000	13.85	0.57
1500	17.35	0.45
1800	19.20	0.41
2000	20.30	0.39
2200	21.40	0.37
2400	22.50	0.36
2500	23.00	0.35
3000	25.20	0.31