

STANDARD

Title : **RFC38-50J**Item : **3850**Cable with standard UV resistant PE jacket
halogen free according

FLAME RETARDANT

Title : **RFC38-50JFR**Item : **3850-FR**Cable with UV resistant, halogen free,
low smoke flame retardant jacket

Construction Parameters

Inner Conductor	3.30±0.05mm Copper Clad Aluminum Wire
Insulation	8.30±0.20mm Foamed PE
Outer Conductor	9.60±0.15mm Annular Corrugated Copper Tube
Jacket	11.20±0.20mm PE, Black
Jacket Thickness	> 0.80mm

Electrical Characteristics

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	0.88
Peak Power Rating	15.6 KW
Peak Voltage	1.05 KV
Insulation Resistance	>5000 MΩ.km
Insulation Voltage	2.5 KV
Inner Conductor DC Resistance	3.10 Ω/km
Outer Conductor DC Resistance	2.80 Ω/km
VSWR	
800MHz-1000MHz	1.1
1700MHz-2500MHz	1.1
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties

Bending Radius (Single Bend)	40 mm
Bending Radius (Repeated Bend)	95 mm
Operating Temp Range	-55 to +85 °C
Cable Dimensions	11.20±0.20mm

Attenuation (20°C)

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (kW)
100	3.12	2.23
200	4.45	1.56
450	6.79	1.02
800	9.2	0.75
900	9.80	0.71
1000	10.37	0.67
1500	12.90	0.53
1800	14.25	0.48
2000	15.10	0.46
3000	18.9	0.37