

SD-400 Specification

Construction Material	
Jacket Colour	Black
Jacket Material	Non-halogenated PE
Braid Material	Aluminium
Shield Tape Material	Aluminium
Dielectric Material	Foam PE
Inner Conductor Material	Copper-clad aluminium wire

Dimensions	
Diameter Over Dielectric	7.24mm
Diameter Over Jacket	10.29mm
Inner Conductor OD	2.74mm
Normal Size	10.29mm
Outer Conductor OD	8.08mm

Electrical Specifications	
Cable Impedance	50 ohm
Capacitance	78pF/m
dc Resistance, Inner Conductor	4.49 ohms / km
dc Resistance, Outer Conductor	5.61 ohms / km
dc Test Voltage	3000 V
Jacket Spark Test Voltage (rms)	8000 V
Maximum Frequency	16.2 GHz
Operating Frequency Band	30 - 6000 MHz
Peak power	16 kW
Shielding Effectiveness	>90 dB
Velocity	0.85

Environmental Specification	
Installation temperature	-40 C to +85 C
Operating Temperature	-40 C to +85 C
Storage Temperature	-70 C to +85 C

Mechanical Specifications	
Bending Moment	0.7N-m
Flat Plate Crush Strength	0.7kg/mm
Minimum Bend Radius, Single Bend	25.4mm
Tensile Strength	73kg

Performance	
Frequency	Attenuation (dB/100m)
900 MHz	12.8
1800MHz	18.4
2000MHz	19.4
2600MHz	22