



### > CONSTRUCTION SPECIFICATIONS

<b>Inner Conductor</b>	BC
Conductor Dia.	1.42 +/-0.02mm
Min.Break Strength	728 N
<b>Insulation</b>	Foam P.E.
Insulation Dia.	3.81 +/-0.15mm
Color	Neutral
Centricity	≥90%
Adhesion	10 to 100N @ 25mm
<b>Shielding</b>	AL/P-Foil ( Bonded )
Foil overlap	≥115 %
<b>Outer Conductor</b>	TC Wire Braid
Coverage	92 +/-3%
<b>Jacket</b>	LDPE
Outer Dia	6.10 +/-0.15mm
Color	Black

### > MECHANICAL SPECIFICATIONS

<b>Min.Bending Radius:</b>	
Installation	19 mm
Repeated	63.5 mm
<b>Max.Pulling Tension</b>	372N
<b>Rated Temperature</b>	
Installation/operating temperature	-40~+85 ℃
Storage temperature	-70~+85 ℃

### > ELECTRICAL SPECIFICATIONS

<b>Characteristic Impedance</b>	50 ±2 ohm				
<b>Capacitance</b>	77.5 pF/m				
<b>Velocity ratio</b>	84 %				
<b>DCR: Inner Conductor</b>	<11.0 ohm/km	<b>Attenuation</b> (at 20 ℃)	[MHz]	[Power kw]	[dB/100ft]
<b>DCR: Outer Conductor</b>	<13.5 ohm/km		30	1.49	4.40
<b>Voltage withstand</b>	5000 V RMS		50	1.15	5.70
<b>Jacket Spark</b>	1500 V RMS		150	0.66	9.90
<b>Insulation resistance</b>	> 10,000 MΩ·km		220	0.54	12.00
<b>Peak Power</b>	5.6 kW		450	0.38	17.30
<b>Shielding Effectiveness</b>	> 90 dB		900	0.26	24.80
			1500	0.20	32.40
			1800	0.18	35.60
			2000	0.17	37.70
<b>VSWR</b>	30-1000 MHz		2500	0.15	42.40
	1001-2500 MHz		5800	0.10	66.80
	2501-5800 MHz		8000	0.08	79.70

