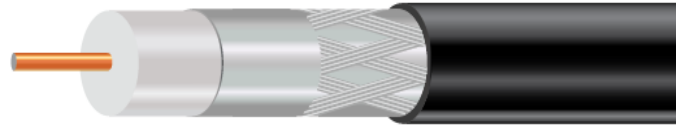


Series TWB Coaxial Cable  
Copper Clad Aluminum Conductor  
Foamed Polyethylene Dielectric  
Bonded APA Laminate Shield  
90% Tinned Copper Braid  
Black Polyethylene Jacket



### Cable Ordering Information

Part Number	Description	NEC / CSA Listing
400Z90E00BK5780000R1	TWB 4001A90T-E BLACK	none

### Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper Clad Aluminum	0.1079	2.74
Dielectric	Foamed Polyethylene	0.285	7.24
1 <sup>st</sup> Outer Conductor	Sealed APA Tape	0.291	7.39
2 <sup>nd</sup> Outer Conductor	90% Tinned Copper Braid	0.320	8.13
Jacket	Polyethylene, Black	0.405	10.29

### Mechanical Specifications

Minimum Bend Radius		4.00 in	101.6 mm
Product Weight	(less reel)	72.0 lb/kft	107.1 kg/km

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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TFC/U-JIN Cable Industrial Co., Ltd.  
442-23 Cheongyeon-ro Yeondong-meon  
Sejong-si South Korea 30068  
TOLL +82-44-864-0858  
FAX +82-44-864-0436  
<http://www.u-jincable.com>

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Electrical Specifications		
Impedance	50 ± 2 Ω	
Velocity of Propagation, Nominal	85 %	
Capacitance, Nominal	23.9 pF/ft	78.4 pF/m
DC Resistance @ 68 °F (20 °C)	Ω / kft	Ω / km
Inner Conductor	1.4	4.6
Outer Conductor	1.6	5.4
Loop	3.0	10.0

Attenuation, Maximum @ 68 °F (20 °C)			Avg. Power Rating
Frequency, MHz	dB / 100 ft	dB / 100 m	kW
30	0.67	2.20	3.33
50	0.88	2.90	2.57
150	1.52	5.00	1.47
220	1.86	6.10	1.20
450	2.71	8.90	0.83
900	3.90	12.80	0.58
1500	5.12	16.80	0.44
1800	5.67	18.60	0.40
2000	5.97	19.60	0.37
2500	6.77	22.20	0.33
5800	10.82	35.50	0.21

Attenuation increase with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)

Average Power Rating @ 40°C, Ambient VSWR 1.0, Inner Conductor Temperature @ 100°C

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