



TFC Coaxial Cable Product Information Sheet

Type: T9SCTQP46T-E(HF) GREEN (SPC) / DBS T-WNNN

Series 9 CATV / CAI Coaxial Cable

Copper Conductor

Foamed Polyethylene Dielectric

Bonded APA Laminate Shield

46% Tinned-Copper Braid

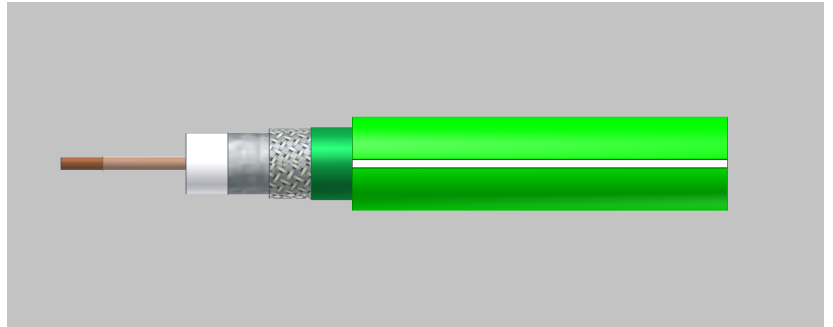
APA Laminate Shield (QuickPrep)

Green Polyethylene Jacket, HF

Visual Indicator / Stripe - White

RoHS and WEEE Compliant

Meets Class A Shielding, EN 50117 2-4



Cable Ordering Information

Part Number	Description	NEC / CSA Listing
009H46E04GS500UPC3R6	T9SCTQP46T-E(HF) GREEN SPC-/ DBS T- WNNN	none

Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper	0.0440	1.12
Dielectric	Foamed Polyethylene	0.189	4.80
1 st Outer Conductor	Sealed APA Tape	0.195	4.95
2 nd Outer Conductor	46% Tinned-Copper Braid	0.215	5.46
3 rd Outer Conductor	APA Tape (QuickPrep)	0.220	5.59
Floodant	---	---	---
Jacket	Polyethylene, Hi-Flex, Green SPC	0.280	7.11
Messenger	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		1.25	(31.75)
Product Weight	(less reel)	27 lbs /kft	40 kg / km
Pull Force		> 11 lbf < 18 lbf	> 50 N < 80 N
Tensile		≥ 27 lbf	≥ 120 N

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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Times Fiber Communications, Inc.
358 Hall Avenue
Wallingford, CT 06492
Toll Free +1-800-677-2288
Toll +1-434-432-1800
Fax +1-434-432-1821
www.timesfiber.com

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Electrical Specifications

Impedance, Ω	75 $\pm$ 3	
Velocity of Propagation, %	85	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	5.47	18
Outer Conductor	9.13	30
Loop	14.6	48
Structural Return Loss, dB		
5-30 MHz	-27	
30-470 MHz	-27	
470-1000 MHz	-24	
1000-2000 MHz	-22	
2000-3000 MHz	-20	
RFI Shielding		
Meets Class A Shielding, EN 50117 2-4		
Transfer Impedance		
5-30 MHz	$\leq 5 \text{ m}\Omega\cdot\text{m}$	
Screening Attenuation		
30-1000 MHz	$\geq 85 \text{ dB}$	
1000-2000 MHz	$\geq 75 \text{ dB}$	
2000-3000 MHz	$\geq 65 \text{ dB}$	

Attenuation, Maximum @ 68 °F (20 °C)

Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.42	1.38
10	0.54	1.77
50	1.26	4.13
55	1.32	4.33
100	1.74	5.71
200	2.58	8.46
211	2.64	8.66
230	2.76	9.06
250	2.88	9.45
270	3.00	9.84
300	3.15	10.33
330	3.33	10.93
350	3.45	11.32
400	3.72	12.20
450	3.96	12.99
500	4.20	13.78
600	4.62	15.16
750	5.10	16.73
800	5.22	17.13
862	5.40	17.72
950	5.73	18.80
1000	5.88	19.29
1250	6.58	21.59
1350	6.84	22.44
1500	7.21	23.65
2000	8.32	27.30
2500	9.30	30.51
3000	10.19	33.43

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