

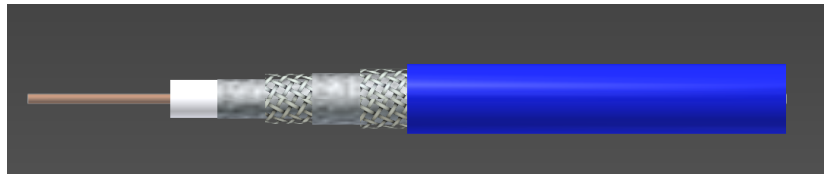


TFC Coaxial Cable Product Information Sheet

Type:T75MCQ95T/90T-V(CMR-CMG) xxxx / HE

75 Ω Mini-Series Coaxial Cable

- Copper Conductor
- Foamed Polyethylene Dielectric
- Bonded APA Laminate Shield
- 95% Tinned Copper Braid
- APA Laminate Shield
- 90% Tinned Copper Braid
- Multi-Color PVC Inner Jackets
- NEC CEC 800 CMR-CMG Listed
- Headend Application –
- RoHS and WEEE Compliant
- Meets Class A++ Shielding, EN 50117 2-4



Coax Jacket Colors

Black	White	Gray	Red	Blue
Violet	Orange	Brown	Green	Yellow
Aqua	Rose	Pink	Tan	

Cable Ordering Information

Part Number	Description	NEC / CSA Listing
075I99V12xx4010MTRR1	T75MCQ95T90T-V(CMR-CMG) xxxx- / HE	NEC CEC 800 CMR-CMG Listed

Characteristics

Material	Detail	inches	mm	
	Inner Conductor	Copper	0.0226	0.57
	Dielectric	Foamed Polyethylene	0.102	2.59
	1 st Outer Conductor	Sealed APA Tape	0.106	2.69
	2 nd Outer Conductor	95% Tinned Copper Braid	0.131	3.33
	3 rd Outer Conductor	APA Tape	0.135	3.43
	4 th Outer Conductor	90% Tinned Copper Braid	0.160	4.06
	Jacket	PVC, Flame Retardant, Color	0.185	4.70

Mechanical Specifications

Minimum Bend Radius, in. (mm)		0.75	(19.05)
Product Weight	(less reel)	28 lbs /kft	kg / km
Pull Force		> 11 lbf < 18 lbf	> 50 N < 80 N
Tensile		≥ 40 lbf	≥ 180 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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Electrical Specifications

Impedance, Ω	75 \pm 3	
Velocity of Propagation, %	83	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	21.0	69
Outer Conductor	3.0	10
Loop	24.0	79
Structural Return Loss, dB		
5-30 MHz	-27	
30-470 MHz	-27	
470-1000 MHz	-24	
1000-2000 MHz	-23	
2000-3000 MHz	-20	
RFI Shielding		
Meets Class A++ Shielding, EN 50117 2-4		
Transfer Impedance		
5-30 MHz	\leq 0.9 m Ω •m	
Screening Attenuation		
30-1000 MHz	\geq 105 dB	
1000-2000 MHz	\geq 95 dB	
2000-3000 MHz	\geq 85 dB	

Attenuation, Maximum @ 68 °F (20 °C)

Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.96	3.15
55	2.73	8.96
100	3.68	12.07
211	5.04	16.54
250	5.48	17.98
270	5.70	18.70
300	6.01	19.72
330	6.31	20.70
350	6.51	21.36
400	6.98	22.90
450	7.37	24.18
500	7.86	25.79
550	8.27	27.13
600	8.66	28.41
750	9.75	31.99
870	10.53	34.55
1000	11.34	37.20
1450	13.66	44.82
1750	15.00	49.21
2150	16.63	54.56
2250	16.96	55.64
2500	17.93	58.83
3000	19.61	64.34

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