

# Manhattan™ Coaxial Cable

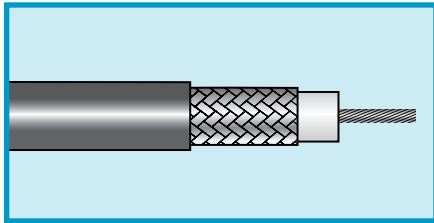
## Coaxial and Twinax Cable

For a complete range of 50, 75, 93, and 100 ohm coaxial and twinaxial, we offer a wide range of insulations and jackets meeting the requirements of military specifications and regulatory agencies such as UL and CSA.

For broadcast-quality video transmission, our precision video cables use FEP dielectrics to achieve low capacitance, high velocities of propagation, and tight tolerances for maximum signal integrity.

## Availability

- A. 100 ft (30.5 m)
- B. 500 ft (152 m)
- C. 500 ft (152 m) boxed
- D. 1000 ft (305 m)
- E. 1000 ft (305 m) boxed
- F. 2000 ft (610 m)
- G. Bulk, cut to length  
(Minimums may apply)



### 50-Ohm Transmission and Computer Cables

#### RG-55B/U, RG-58/U, RG-58A/U, and RG-58C/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9058A</b>	20 (0.48)	19/0.0071 (19 x 0.18)	TC	PE	0.116 (2.95)	TC Braid, 95%	Black Type I PVC	0.195 (4.95)
<b>9058AC</b>	20 (0.48)	19/0.0071 (19 x 0.18)	TC	PE	0.116 (2.95)	TC Braid, 95%	Black Type I PVC	0.195 (4.95)
<b>9058C</b>	20 (0.48)	19/0.0072 (19 x 0.18)	TC	PE	0.116 (2.95)	TC Braid, 95%	Black Type IIA PVC	0.195 (4.95)
<b>9058X</b>	20 (0.52)	Solid	BC	PE	0.116 (2.95)	TC Braid, 95%	Black Type I PVC	0.195 (4.95)
<b>9158S</b>	20 (0.52)	Solid	BC	FEP	0.107 (2.72)	TC Braid, 95%	Black FEP	0.159 (4.04)
<b>M4209</b>	20 (0.52)	Solid	BC	PE	0.116 (2.95)	TC Braid, 93%	Black Type I PVC	0.195 (4.95)
<b>M4210</b>	20 (0.62)	19/32 (19 x 0.20)	TC	Foam PE	0.116 (2.95)	TC Braid, 93%	Black or White Type I PVC	0.193 (4.90)
<b>M4213</b>	20 (0.48)	19/0.0072 (19 x 0.18)	TC	PE	0.116 (2.95)	TC Braid, 94%	Black Type IIA PVC	0.195 (4.95)
<b>M4219</b>	20 (0.48)	19/0.0070 (19 x 0.18)	TC	PE	0.117 (2.97)	TC Braid, 91%	Black Type I PVC	0.193 (4.90)
<b>M44209</b>	20 (0.52)	Solid	BC	FEP	0.107 (2.72)	TC Braid, 95%	White Plenum PVC	0.159 (4.04)
<b>9848</b>	18 (0.82)	Solid	BC	Foam PE	0.116 (2.95)	TC Braid, 95%	Black Type I PVC	0.195 (4.95)

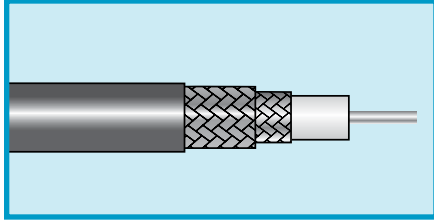


# Manhattan™ Coaxial Cable

50-Ohm Transmission and Computer Cables					
RG-55B/U, RG-58/U, RG-58A/U, and RG-58C/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9058A	50	66	30.8 (101.1)	JAN-C-17A/RG-58A/U Type	A, B, C, D, E
9058AC	50	66	30.8 (101.1)	CL2 JAN-C-17A/RG-58A/U Type	A, B, D, E
9058C	50	66	30.8 (101.1)	MIL-DTL-17/28B RG 58C/U	A, B, D, E
9058X	53.5	66	28.5 (93.5)	UL AWM 1354 UL CL2 JAN-C-17A/RG-58/U	A, B, C, D, E
9158S	50	70	30 (98.4)	UL CL2P CSA CMP FT6 MIL-DTL-17/28 RG-58/U Type	B, D
M4209	52	66	28.5 (93.5)	UL AWM 1354 UL CMX CSA CMX JAN-C-17A/RG-58/U	A, B, D
M4210	52	76	26 (85.3)	UL AWM 1354 UL CM CSA CM JAN-C-17A/RG-58/U	A, B, D
M4213	50	66	30.8 (101.1)	MIL-DTL-17/28B RG-58C/U	A, B, D
M4219	50	66	30.8 (101.1)	UL CM CSA CM JAN-C-17A/RG-58A/U Type	A, B, D
M44209	53	69.5	26.4 (86.6)	UL CMP CSA CMP FT6 MIL-DTL-17/RG-58/U Type	A, B, D, G
9848	50	78	26 (85.3)	UL AWM 1354 MIL-DTL-17/28B RG-58/U Type	A, B, D, E



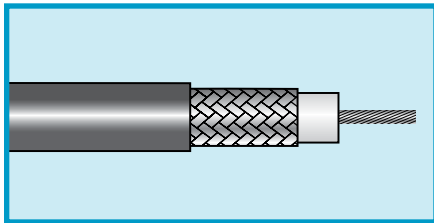
# Manhattan™ Coaxial Cable



## 50-Ohm Transmission and Computer Cables

### RG-55B/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9055B</b>	20 (0.52)	Solid	SPC	PE	0.116 (2.95)	Dbl TC Braid, 95%	Black PE	0.201 (5.11)



## 50-Ohm Transmission and Computer Cables

### RG-8/U and RG-8A/U Type Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9008A</b>	13 (2.90)	7/21 (7 x 0.72)	BC	PE	0.285 (7.24)	BC Braid, 95%	Black Type IIA PVC	0.405 (10.29)
<b>M4201</b>	13 (2.90)	7/21 (7 x 0.72)	BC	PE	0.285 (7.24)	BC Braid, 95%	Black Type IIA PVC	0.405 (10.29)
<b>M4206</b>	11 (4.60)	7/19 (7 x 0.91)	BC	PE	0.285 (7.24)	BC Braid, 96%	Black PVC	0.403 (10.24)



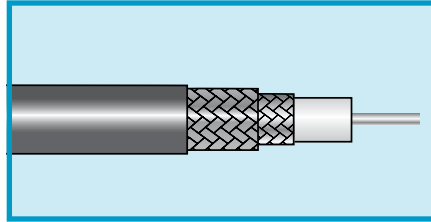
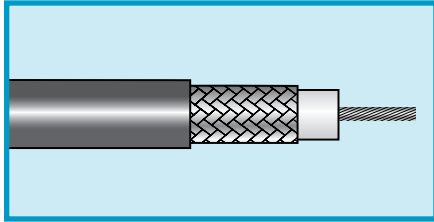
# Manhattan™ Coaxial Cable

50-Ohm Transmission and Computer Cables					
RG-55B/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9055B	53.5	66	28.8 (94.5)	MIL-DTL-17D/26A RG-55B/U	A, B, D

50-Ohm Transmission and Computer Cables					
RG-8/U and RG-8A/U Type Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9008A	52	66	29.5 (96.8)	UL AWM 1354 MIL-DTL-17D/3A RG-8A/U	A, B, D
M4201	52	66	28.5 (93.5)	UL AWM 1354 UL CMX CSA CMX MIL-DTL-17D/3A RG-8A/U	A, B, D
M4206	50	78	26 (85.3)	UL AWM 1354 UL CM CSA CM MIL-DTL-17/RG-8/U Type	A, B, D



# Manhattan™ Coaxial Cable



## 50-Ohm Transmission and Computer Cables

RG-142B/U, RG-174 Type, RG-178B/U, RG-188A/U, RG-196A/U, RG-213 Type, RG-214 Type, RG-217/U, RG-223/U, RG-316/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4252</b>	30 (0.05)	7/38 (7 x 0.10)	SCW	PTFE	0.034 (0.86)	SPC Braid, 94%	Natural Tan FEP	0.071 (1.80)
<b>M4258</b>	30 (0.05)	7/38 (7 x 0.10)	SCW	PTFE	0.034 (0.86)	SPC Braid, 94%	Natural PTFE Tape	0.075 (1.91)
<b>M4214</b>	26 (0.14)	7/34 (7 x 0.16)	BCW	PE	0.060 (1.52)	TC Braid, 85%	Black Type I PVC	0.110 (2.79)
<b>M4256</b>	25 (0.16)	7/0.0067 (7 x 0.17)	SCW	PTFE	0.060 (1.52)	SPC Braid, 94%	White PTFE Tape	0.105 (2.67)
<b>M4259</b>	25 (0.16)	7/0.0067 (7 x 0.17)	SCW	PTFE	0.060 (1.52)	SPC Braid, 94%	Natural Tan FEP	0.098 (2.49)
<b>M4218</b>	19 (0.62)	Solid	SPC	PE	0.117 (2.97)	Dbl SPC Braid, 95%	Black Type IIA PVC	0.212 (5.38)
<b>M4251</b>	19 (0.69)	Solid	SCW	PTFE	0.116 (2.95)	Dbl SPC Braid, 95%	Natural Tan FEP	0.195 (4.95)
<b>M4217</b>	13 (3.11)	7/0.0296 (7 x 0.75)	BC	PE	0.285 (7.24)	BC Braid, 96%	Black Type IIA PVC	0.405 (10.29)
<b>M4221</b>	13 (3.11)	7/0.0296 (7 x 0.75)	SPC	PE	0.285 (7.34)	Dbl SPC Braid, 95%	Black Type IIA PVC	0.425 (10.80)
<b>9217</b>	10 (5.70)	Solid	BC	PE	0.370 (9.40)	Dbl SPC Braid, 95%	Black Type IIA PVC	0.545 (13.84)



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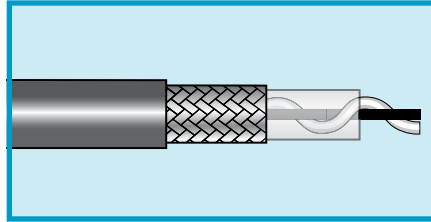
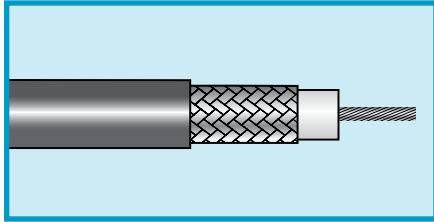
## 50-Ohm Transmission and Computer Cables

## RG-142B/U, RG-174 Type, RG-178B/U, RG-188A/U, RG-196A/U, RG-213 Type, RG-214 Type, RG-217/U, RG-223/U, RG-316/U Coaxial Cables

Part No.	Nom. Impedance ( $\Omega$ )	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4252	50	70	29.3 (96.1)	MIL-DTL-17/RG-178B/U	A, B, D, G
M4258	50	70	29.3 (96.1)	MIL-DTL-17/RG-196A/U	A, B, D, G
M4214	50	66	30.8 (101.1)	UL AWM 1354 UL Type CMX CSA CMX MIL-DTL-17/RG-174 Type	A, B, D, G
M4256	50	70	29.3 (96.1)	MIL-DTL-17/RG-188A/U	A, B, D, G
M4259	50	70	29.3 (96.1)	MIL-DTL-17/RG-316/U	A, B, D, G
M4218	50	66	30.8 (101.1)	UL AWM 1354 UL CMX CSA CMX MIL-DTL-17D/167 RG-223/U	A, B, D, G
M4251	50	70	29 (95.1)	MIL-DTL-17/RG-142B/U	A, B, D, G
M4217	50	66	30.8 (101.1)	UL AWM 1354 UL CMX CSA CMX MIL-DTL-17/RG-213 Type	A, B, D, G
M4221	50	66	30.8 (101.1)	MIL-DTL-17/RG-214 Type	A, B, D, G
9217	50	66	30.8 (101.1)	MIL-DTL-17D/78A RG-217/U	A, B, D, G



# Manhattan™ Coaxial Cable

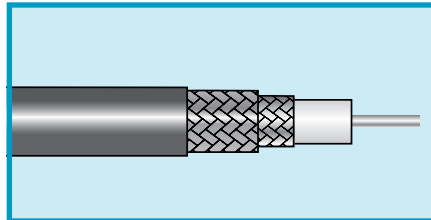
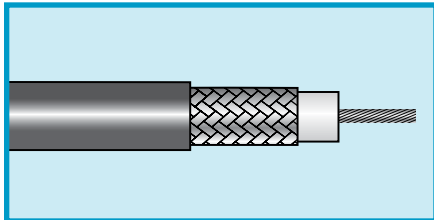


### 93-Ohm Coaxial Cables

#### RG-62A/U, RG-22B/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9062A</b>	22 (0.32)	Solid	BCW	Semisolid PE	0.146 (3.71)	BC Braid, 95%	Black Type IIA PVC	0.242 (6.15)
<b>9062AC</b>	22 (0.32)	Solid	BCW	Semisolid PE	0.146 (3.71)	BC Braid, 95%	Black Type IIA PVC*	0.242 (6.15)
<b>M4276</b>	22 (0.32)	Solid	BCW	Semisolid PE	0.146 (3.71)	BC Braid, 95%	Black Type IIA PVC	0.239 (6.07)
<b>M44276</b>	22 (0.32)	Solid	BCW	Semisolid FEP	0.142 (3.61)	BC Braid, 94%	White Plenum PVC	0.202 (5.13)
<b>M44276F</b>	22 (0.32)	Solid	BCW	Foam FEP	0.146 (3.71)	BC Braid, 94%	White Plenum PVC	0.204 (5.18)

\*Also available in white, green, blue, orange, yellow, and slate.



### 93-Ohm Coaxial Cables

#### RG-180B/U, RG-22B/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4203</b>	18 (0.87)	7/0.0152 (7 x 0.39)	BC*	PE	0.090 (2.85)	DbI TC Braid, 95%	Black Type IIA PVC	0.420 (10.67)
<b>M4254</b>	30 (0.05)	7/38 (7 x 0.10)	SCW	PTFE	0.102 (2.59)	SPC Braid, 91%	Natural Tan FEP	0.141 (3.58)

\*For identification, one conductor includes a single tinned copper strand.



# Manhattan™ Coaxial Cable

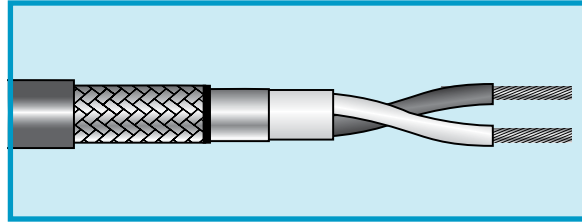
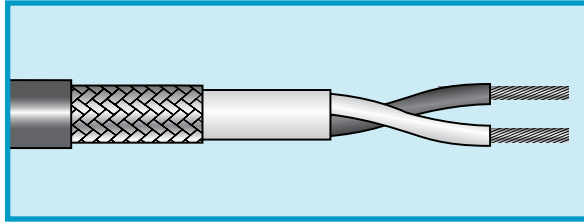
93-Ohm Coaxial Cables					
RG-62A/U, RG-22B/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9062A	93	83	13.2 (43.3)	UL AWM 1478 MIL-DTL-17/30B RG-62A/U	A, B, D, E, F
9062AC	93	83	13.5 (44.3)	UL AWM 1478 UL CL2 CSA CMH MIL-DTL-17/30B RG-62A/U	A, B, D, E, F
M4276	93	84	13.5 (44.3)	UL AWM 1478 UL CL2 UL CM CSA CM MIL-DTL-17/RG-62A/U Type	A, B, D, G
M44276	93	85	12.8 (42)	UL CMP CSA CMP MIL-DTL-17/RG-62A/U Type	A, B, D, G
M44276F	93	85	12.5 (41)	UL CMP CSA CMP MIL-DTL-17/RG-62U Type	A, B, D, G

93-Ohm Coaxial Cables					
RG-180B/U, RG-22B/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4203	95	66	16 (52.5)	UL AWM 2498 MIL-DTL-17/RG-22B/U Type	A, B, D, G
M4254	95	70	15.4 (50.5)	MIL-DTL-17/RG-180B/U	A, B, D, G





# Manhattan™ Coaxial Cable



### Twinax Cables

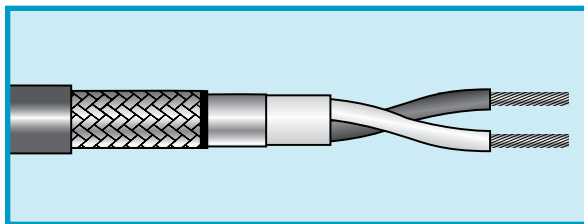
#### 78-Ohm Twinax Cables

Part No.	Center Conductor			Dielectric		Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9888C</b>	22 (0.35)	7/30 (7 x 0.25)	TC	White and Blue HDPE	0.056 (1.42)	TC Braid, 85%	Apple Smoke Slate PVC	0.184 (4.67)
<b>9108</b>	20 (0.56)	7/28 (7 x 0.32)	TC	Blue and Clear FEP	0.074 (1.88)	TC Braid, 95%	Blue FEP	0.198 (5.03)
<b>M4154</b>	20 (0.56)	7/28 (7 x 0.32)	TC	Blue and Clear PE	0.076 (1.93)	A/P Tape TC Braid, 55%	Blue PVC	0.238 (6.05)
<b>M4220</b>	20 (0.56)	7/28 (7 x 0.32)	TC	Natural PE	0.079 (2.01)	TC Braid, 85%	Black PVC	0.235 (5.97)

### Twinax Cables

#### 100-Ohm Twinax Cables

Part No.	Center Conductor			Dielectric		Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9109</b>	20 (0.56)	7/28 (7 x 0.32)	BC TC	FEP	0.072 (1.83)	TC Braid, 95%	Slate PVDF	0.252 (6.40)
<b>9817</b>	20 (0.56)	7/28 (7 x 0.32)	BC TC	PE	0.083 (2.11)	TC Braid, 85%	Black PVC	0.330 (8.38)
<b>M4271</b>	20 (0.56)	7/28 (7 x 0.32)	BC TC	PE	0.083 (2.11)	A/P/A Tape TC Braid, 85%	Black PVC	0.330 (8.38)



### Twinax Cables

#### 124- and 150-Ohm Twinax Cables

Part No.	Center Conductor			Dielectric		Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9823</b>	22 (0.38)	19/34 (19 x 0.16)	TC	Foam PE	0.120 (3.05)	A/P/A Tape	Black PVC	0.329 (8.36)
<b>M4158</b>	16 (1.31)	Solid	BC	Blue and Clear Foam PE	0.161 (4.09)	A/P/A Tape TC Braid, 90%	Black PVC	0.440 (11.18)



# Manhattan™ Coaxial Cable

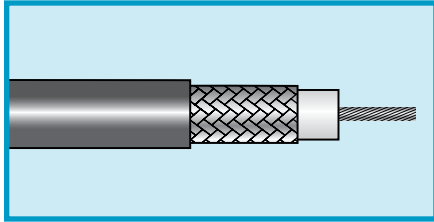
Twinax Cables					
78-Ohm Twinax Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9888C	78	66	19.7 (64.6)	UL AWM 2726 UL CM CSA CMG FT4	D, E
9108	78	69.5	18.4 (60.4)	UL CMP CSA CMP	B, D
M4154	78	66	19.7 (64.6)	UL AWM 2464 UL CM CSA CM	A, B, D, G
M4220	78	66	19.7 (64.6)	MIL-DTL-17/RG-108 Type	A, B, D, G

Twinax Cables					
100-Ohm Twinax Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9109	100	69	13.3 (43.6)	UL CMP UL CL2P CSA CMP	D
9817	100	66	14.5 (47.6)	UL AWM 2498	A, B, D
M4271	100	66	14.5 (47.6)	UL CMG UL CL2 CSA CMG	A, B, D, G

Twinax Cables					
124- and 150-Ohm Twinax Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9823	150	78	8.8 (28.9)	UL AWM 266	A, B, D, G
M4158	124	78	10.9 (35.8)	UL AWM 2448 UL CMX CSA CMX	A, B, D, G



# Manhattan™ Coaxial Cable



Miniature Coaxial Cables								
Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4243</b>	30 (0.05)	7/38 (7 x 0.10)	TC	Foam HDPE	0.058 (1.47)	TC Braid, 89%	Black PVC	0.097 (2.46)
<b>M4242</b>	28 (0.08)	Solid	TC	PP	0.023 (0.58)	TC Braid, 90%	Black PVC	0.054 (1.37)
<b>M4244</b>	27 (0.11)	7/35 (7 x 0.142)	BCW	PE	0.100 (2.54)	TC Braid, 93%	Black PVC	0.150 (3.81)

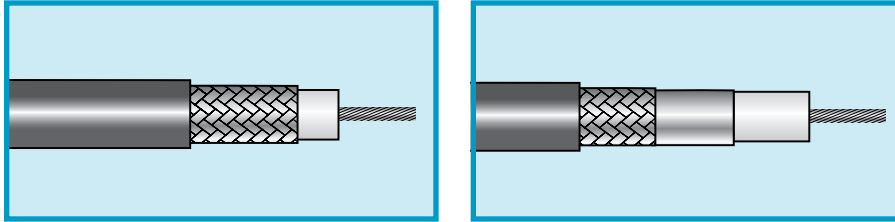


## Manhattan™ Coaxial Cable

Miniature Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4243	75	78	17.3 (56.8)	UL AWM 1354	A, B, D, G
M4242	32	66	55.2 (181.1)	UL CMH CSA CMH	A, B, D, G
M4244	75	66	20.5 (67.3)	UL AWM 1354	A, B, D, G



# Manhattan™ Coaxial Cable



## 75-Ohm Video Cable

### RG-59/U, RG-59B/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>9059B</b>	23 (0.26)	Solid	BCW	PE	0.146 (3.71)	BC Braid, 94%	Black Type IIA PVC	0.242 (6.15)
<b>9159</b>	23 (0.26)	Solid	BCW	FEP	0.132 (3.35)	BC Braid, 95%	Black PVDF	0.190 (4.83)
<b>9810</b>	23 (0.26)	Solid	BC	PE	0.146 (3.71)	A/P/A Tape TC Braid, 95%	Black Type IIIA PE	0.220 (5.59)
<b>M4223</b>	23 (0.26)	Solid	BCW	PE	0.146 (3.71)	BC Braid, 94%	Black Type IIA PVC	0.241 (6.12)
<b>9059C</b>	22 (0.32)	Solid	BCW	PE	0.146 (3.71)	BC Braid, 95%	Black, Red, Blue, Green, Slate Type I PVC	0.242 (6.15)
<b>9102</b>	20 (0.52)	Solid	BCW	Foam FEP	0.140 (3.56)	A/P/A Tape TC Braid, 94%	Black PVDF	0.212 (5.38)
<b>9830</b>	22 (0.32)	Solid	BCW	PE	0.146 (3.71)	BC Braid, 85%	Black Type I PVC	0.242 (6.15)
<b>M4211</b>	22 (0.32)	Solid	BCW	PE	0.146 (3.71)	BC Braid, 85%	Black Type I PVC	0.242 (6.15)
<b>M4212</b>	22 (0.32)	Solid	BCW	Foam PE	0.146 (3.71)	BC Braid, 85%	Black Type I PVC	0.242 (6.15)
<b>M4237</b>	22 (0.35)	7/30 (7 x 0.25)	BC	Foam PE	0.146 (3.71)	BC Braid, 95%	Black Type I PVC	0.240 (6.10)
<b>M44212F</b>	20 (0.52)	Solid	BCW	Foam FEP	0.140 (3.56)	A/P/A Tape TC Braid, 94%	White Plenum PVC	0.202 (5.13)

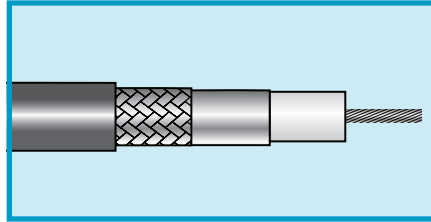
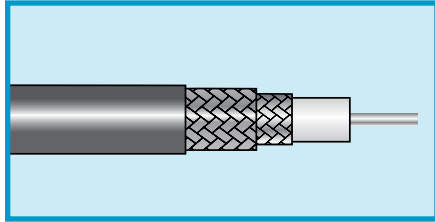


# Manhattan™ Coaxial Cable

75-Ohm Video Cable					
RG-59/U, RG-59B/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
9059B	75	66	20.5 (67.3)	UL CL2X CSA CMH FT1 MIL-DTL-17D/29B RG-59B/U	A, B, C, D, E
9159	75	69.5	19.5 (64)	UL CL2P UL CMP CSA CMP FT6 MIL-DTL-17/RG-59B/U Type	D
9810	75	66	21 (68.9)	MIL-DTL-17/RG-59/U Type	A, D
M4223	75	66	20.5 (67.3)	UL AWM 1354 UL CMX CSA CMX MIL-DTL-17D/29B RG-59B/U	A, B, D
9059C	73	66	21 (68.9)	UL AWM 1354 UL CL2 CSA CMG FT4 JAN-C-17A /RG-59/U	A, B, C, D, E
9102	75	82	16.5 (54.1)	UL CMP UL CL2P CSA CMP FT6 MIL-DTL-17/RG-59U Type	B, D
9830	75	66	21.5 (70.5)	UL AWM 1354 UL CMX CSA CMX JAN-C-17A/RG-59/U	A, B, D
M4211	73	66	19.4 (63.6)	UL AWM 1354 UL CMX CSA CMX JAN-C-17A/RG-59/U	A, B, D
M4212	80	78	16.3 (53.5)	UL AWM 1354 UL CM CSA CM JAN-C-17A/RG-59/U	A, B, D
M4237	75	78	17.3 (56.8)	UL AWM 1354 UL CM CSA CM MIL-DTL-17/RG-59/U Type	A, B, D
M44212F	75	82	16.5 (54.1)	UL CMP UL CATVP CSA CMP FT6 MIL-DTL-17/RG-59/U Type	A, B, D, G



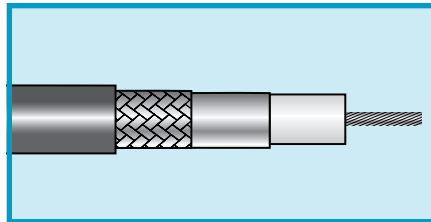
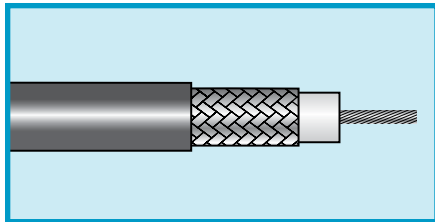
# Manhattan™ Coaxial Cable



## 75-Ohm Video Cable

### RG-6U Type, RG-6A/U Type

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4204</b>	21 (0.41)	Solid	BCW	PE	0.185 (4.70)	Dbl BC Braid, 95%	Black PE	0.332 (8.43)
<b>9104</b>	18 (0.82)	Solid	BCW	Foam FEP	0.170 (4.32)	A/P Tape TC Braid, 95%	Black PVDF	0.232 (5.89)
<b>M4182</b>	18 (0.82)	Solid	BC	Foam PE	0.180 (4.57)	A/P/A Tape TC Braid, 60%	Black Type I PVC	0.270 (6.86)



## 75-Ohm Video Cable

### RG-11/U, RG-11/U Type, RG-11A/U

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4202</b>	18 (0.89)	7/26 (7 x 0.40)	TC	PE	0.285 (7.24)	BC Braid, 95%	Black Type IIA PVC	0.405 (10.29)
<b>M4207</b>	18 (0.89)	7/26 (7 x 0.40)	TC	PE	0.285 (7.24)	BC Braid, 95%	Black Type I PVC	0.405 (10.29)
<b>9105</b>	14 (2.08)	Solid	BC	Foam FEP	0.274 (6.96)	A/P/A Tape TC Braid, 60%	Black FEP	0.346 (8.79)
<b>M4208</b>	14 (2.08)	Solid	BC	Foam PE	0.285 (7.24)	BC Braid, 95%	Black PE	0.405 (10.29)



# Manhattan™ Coaxial Cable

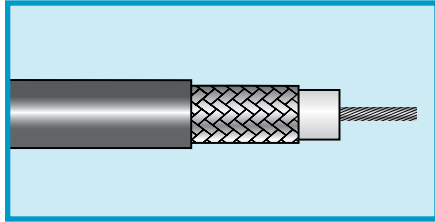
75-Ohm Video Cable					
RG-6U Type, RG-6A/U Type					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4204	75	66	20.5 (67.3)	MIL-DTL-17/RG-6A/U Type	
9104	75	82	16.5 (54.1)	UL CMP UL CATVP CSA CMP FT6 MIL-DTL-17/RG-6U Type	B, D
M4182	75	82	16.2 (53.1)	UL AWM 1354 UL CM CSA CM MIL-DTL-17/ RG 6/U Type	A, B, D

75-Ohm Video Cable					
RG-11/U, RG-11/U Type, RG-11A/U					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4202	75	66	20.5 (67.3)	UL CL2X CSA CMH FT1 MIL-DTL-17D/6B RG 11A/U	A, B, D
M4207	75	66	20.5 (67.3)	UL CM CSA CM JAN-C-17A/ RG 11/U	A, B, D
9105	75	83	16.3 (53.5)	UL CMP UL CL2P UL CATVP CSA CMP FT6 MIL-DTL-17/RG-11/U Type	B, D
M4208	75	84	16.1 (52.8)	MIL-DTL-17/RG-11A/U Type	A, B, D





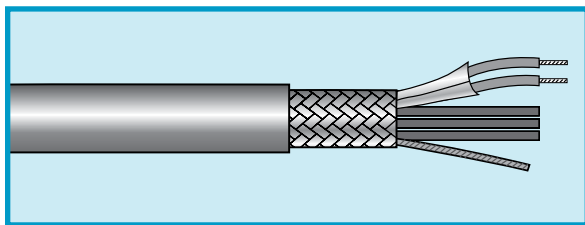
# Manhattan™ Coaxial Cable



## 75-Ohm Video Cables

### RG-179B/U and RG-187A/U Coaxial Cables

Part No.	Center Conductor		Dielectric			Shield Material, Coverage	Jacket	
	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)		Material	Dia., In. (mm)
<b>M4253</b>	30 (0.05)	7/38 (7 x 0.10)	SCW	PTFE	0.063 (1.60)	SPC Braid, 93%	Natural Tan FEP	0.100 (2.54)
<b>M4255</b>	30 (0.05)	7/38 (7 x 0.10)	SCW	PTFE	0.063 (1.60)	SPC Braid, 93%	White PTFE	0.105 (2.67)



## Ethernet Transceiver Cables

Part No.	Pairs			Dielectric			Shield Material, Coverage
	Type	AWG (mm <sup>2</sup> )	Stranding (mm)	Material	Material	Dia., In. (mm)	
<b>9852C</b>	Data (3)	22 (0.35)	7/30 (7 x 0.25)	TC	Foam HDPE	0.064 (1.63)	A/P (pairs) A/P/A (overall) TC Braid, 95%
	Power (1)	20 (0.56)	7/28 (7 x 0.32)	TC	SR-PVC	0.058 (1.47)	
<b>9853C</b>	Data (3)	20 (0.56)	7/28 (7 x 0.32)	TC	Foam HDPE	0.077 (1.96)	A/P (pairs) A/P (overall) TC Braid, 95%
	Power (1)	20 (0.56)	7/28 (7 x 0.32)	TC	SR-PVC	0.058 (1.47)	
<b>9854C</b>	Data (3)	28 (0.08)	7/36 (7 x 0.12)	TC	PP	0.033 (0.84)	A/P (pairs) A/P/A (overall) TC Braid, 90%
	Power (1)	24 (0.23)	7/32 (7 x 0.20)	TC	SR-PVC	0.044 (1.12)	

### Key to Abbreviations

A/P	Aluminum/polyester
A/P/A	Aluminum/polyester/aluminum
BC	Bare copper
BCW	Bare copper-coated steel
FEP	Fluorinated ethylene propylene
HDPE	High-density polyethylene
PE	Polyethylene
PP	Polypropylene
PTFE	Polytetrafluoroethylene
PVC	Polyvinyl chloride
PVDF	Polyvinylidene fluoride
SCW	Silver-coated, copper-coated steel
SPC	Silver-plated copper
SR-PVC	Semirigid PVC
TC	Tinned copper



# Manhattan™ Coaxial Cable

75-Ohm Video Cables					
RG-179B/U and RG-187A/U Coaxial Cables					
Part No.	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)	Specifications	Availability
M4253	75	70	19.5 (64)	MIL-DTL-17/RG-179B/U	A, B, D, G
M4255	75	70	19.5 (64)	MIL-DTL-17/RG-187A/U	A, B, D, G

Ethernet Transceiver Cables							
Part No.	Jacket		Electrical Characteristics—Data Pairs			Specifications	Availability
	Material	Dia., In. (mm)	Nom. Impedance (Ω)	Vp (%)	Capacitance, pF/ft (pF/m)		
9852C	Slate PVC	0.375 (9.53)	78	78	16.7 (54.8)	UL AWM 2919 UL CM CSA CMG FT4	D
9853C	Slate PVC	0.401(10.19)	78	78	16.7 (54.8)	UL CM CSA CMG FT4	D
9854C	Slate PVC	0.250 (6.35)	78	66	19.7 (64.6)	UL AWM 2919 UL CM CSA CMG FT4	D

