

# RG 8/U Type

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3

**Insulation/Core:**

- Solid and cellular polyethylene designs

**Shield:**

- Tinned or bare copper braid
- Flexfoil® shield

**Jacket:**





- Premium PVC compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- Broadcast
- See Coax Connector Cross Reference, pages 192-199

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION MATERIAL		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		INCHES	mm		INCHES	mm	pF/ft	pF/m			MHz	dB/100'
<b>C1108A</b> RG 8/U Mini Type UL CL2, CM CSA CMG 1354 	16 Ga. (19/28) Bare Copper 4.2 Ω/Mft.	Foam PE		95% Bare Copper Braid 3.3 Ω/Mft.	Black PVC		25.30 83.01	80	50	1 10 50 100 200 500 1000	0.26 0.98 2.30 3.30 4.90 8.50 14.30	
		0.155	3.94		0.242	6.15						
<b>C1154</b> RG 8/U Type JAN-C-17A TYPE 1354 	13 Ga. (7/21) Bare Copper 1.9 Ω/Mft.	Solid PE		95% Bare Copper Braid 1.2 Ω/Mft.	Black PVC		29.50 96.79	66	52	1 10 50 100 200 500 1000	0.16 0.56 1.30 1.90 2.80 4.70 7.40	
		0.285	7.24		0.405	10.29						
<b>C1198</b> RG 8/U Type 1354 	11 Ga. (19/24) Bare Copper 1.9 Ω/Mft.	Foam PE		95% Bare Copper Braid 1.1 Ω/Mft.	Black PVC		26.00 85.31	78	50	1 10 50 100 200 500 1000	0.17 0.57 1.20 1.80 2.70 4.70 7.10	
		0.285	7.24		0.405	10.29						
<b>C1180</b> RG 8/U Type 	9½ Ga. Solid Bare Copper 0.90 Ω/Mft.	Semi-Solid PE		100% Flexfoil® Bonded +88% Tinned Copper Braid 1.8 Ω/Mft.	Black PVC		24.60 80.71	84	50	1 10 50 100 200 500 1000	0.13 0.40 0.90 1.30 1.80 3.00 4.50	
		0.285	7.24		0.405	10.29						

# RG 8/U Type Thicknet/Trunk Cable

50 Ohm IEEE 802.3 and ISO/IEC 8802.3 10 Base 5 LAN and Computer Cables

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3

**Insulation/Core:**

- Foam polyethylene (PE) design
- Foam fluoropolymer (FEP) design

**Shield:**

- Tinned copper braid
- Flexfoil® shield

**Jacket:**



- Premium PVC compound
- Premium fluoropolymer compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- LAN & data transmission computer cables
- Thicknet/trunk cable – IEEE 802.3 and ISO/IEC 8802.3 10 base 5 LAN computer cables
- See Coax Connector Cross Reference, pages 192-199

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION MATERIAL		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		INCHES	mm		INCHES	mm	pF/ft	pF/m			MHz	dB/100'
<b>397001</b> RG 8/U Type THICKNET DEC 17-000451-00 UL CM c(UL) 	12 Ga. Solid Bare Copper 1.42 Ω/Mft.	Foam PE		Quad Shield Dual Flexfoil® 94% Tinned Copper Braid + Dual Flexfoil® 94% Tinned Copper Braid 1.52 Ω/Mft.	Yellow Flame-Retardant PVC		26.00	85.30	78	50	1	0.17
		0.245	6.22		0.405	10.29					5	0.37
<b>497001</b> RG 8/U Type THICKNET DEC 17-000324-00 UL CMP c(UL) 	12 Ga. Solid Bare Copper 1.42 Ω/Mft.	Fluoropolymer		Quad Shield Dual Flexfoil® 94% Tinned Copper Braid + Dual Flexfoil® 94% Tinned Copper Braid 1.52 Ω/Mft.	Orange PVDF		25.00	82.00	84	50	1	0.16
		0.245	6.22		0.375	9.53					5	0.35
											10	0.51
											50	1.19
											100	1.75
											200	2.61
											400	3.97
											700	5.65
											900	6.67
											1000	7.14