

# RG 6/U Type

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3 or copper-clad steel per ASTM B-869
- Twisted pair color code: black and red

**Insulation/Core:**

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

**Shield:**

- Tinned copper or aluminum braid
- Flexfoil® shield

**Jacket:**








- Premium-grade PVC compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- CATV
- CCTV†
- DBS
- Drop cable
- FM broadcast
- HDTV
- Digital video
- 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>C5778</b> RG 6/U Type UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 Ω/Mft.	Black PVC		16.20	53.15	83	75	1	0.26
		0.180	4.57		0.275	6.98					10	0.81
<b>C3523</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		100% Flexfoil® +80% Tinned Copper Braid 2.3 Ω/Mft.	Flexguard® PVC Natural		16.40	52.50	83	75	1	0.30
		0.170	4.32		0.232	5.89					10	0.66
<b>C3521</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		Flexfoil® Bonded +95% Tinned Copper Braid 2.3 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	83	75	1	0.30
		0.170	4.32		0.232	5.89					10	0.66
<b>C3524</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Copper-Clad Steel 28.6 Ω/Mft.	Fluoropolymer		Flexfoil® Bonded +80% Aluminum Braid 9.0 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	83	75	1	0.30
		0.170	4.32		0.232	5.89					10	0.66
<b>C3525</b> RG 6/U Type Quad Shield Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Copper-Clad Steel 28.6 Ω/Mft.	Fluoropolymer		(2) 100% Flexfoil® (1) 60% (2) 40% Aluminum Braids 5.3 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	83	75	1	0.30
		0.170	4.32		0.306	7.77					10	0.66
<b>C8029†</b> RG 6/U Type +18 AWG Unshielded Pair UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Bare Copper Coax	Foam PE		100% Flexfoil® 95% Bare Copper Braid 1.9 Ω/Mft.	Black PVC		16.20	53.15	83	75	1	0.20
		0.180	4.57		0.270	6.86					10	0.72
		Premium PVC			0.493	12.52					100	1.48
0.010	0.25	200	2.70									
<b>C8031†</b> RG 6/U Type +18 AWG Unshielded Pair UL CMP c(UL) CMP 	18 AWG Solid Bare Copper Coax	Fluoropolymer		95% Bare Copper Braid 3.5 Ω/Mft.	Natural PVC		16.30	53.48	83	75	1	0.30
		0.170	0.432		0.232	5.89					10	0.66
		Halar			0.416	10.57					50	1.50
		0.006	0.15								200	3.10
Unshielded Pair		500	5.00									
		1000	7.30									