

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'
C5778 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
								50	1.46			
											100	2.05
											200	2.83
											500	4.53
											1000	6.59
											1450	8.10
											1800	8.80
											2200	10.10
											3000	11.79
C3523 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
								50	1.50			
											100	2.10
											200	3.10
											500	5.00
											1000	7.30
C3521 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
								50	1.50			
											100	2.10
											200	3.10
											500	5.00
											1000	7.30
C3524 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
								50	1.50			
											100	2.10
											200	3.10
											500	5.00
											1000	7.30
											2300	12.20
											3000	14.28
C3525 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
								50	1.50			
											100	2.10
											200	3.10
											500	5.00
											1000	7.30
											2300	12.20
											3000	14.28
C8029† 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									100	2.01
		0.010	0.25	Unshielded Pair							200	2.70
									500	4.46		
											1000	6.53
C8031† 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							
		0.006	0.15	Unshielded Pair							200	3.10
									500	5.00		
											1000	7.30

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Shield:

- Tinned copper braid
- Flexfoil® shield

Jacket:





- Premium-grade PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Broadcast grade headend
- Serial Digital Interface (SDI)
- CATV
- DBS
- Drop cable
- HDTV
- CCTV†
- 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'									
395011 UL CMR c(UL) CMG 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		Dual Foil + 95% Tinned Copper Braid Shield 2.8 Ω/Mft.	Flame-Retardant PVC		16.20	53.10	83	75	1	0.24									
		0.180	4.57		0.275	6.91					3.6	0.45	135	2.10	270	2.97	540	4.25	1500	7.33	2250
495035† UL CMP c(UL) CMP 75°C 	18 Ga. Solid Bare Copper 6.7 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	Plenum PVC		16.20	52.50	83	75	1	0.21									
		0.170	4.32		0.232	5.89					10	0.65	50	1.46	100	2.04	200	2.98	540	5.18	1000
495036† UL CMP c(UL) CMP 105°C 	18 Ga. Solid Bare Copper 6.7 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	PVDF		16.10	53.00	83	75	1	0.21									
		0.170	4.32		0.232	5.89					10	0.65	50	1.46	100	2.04	200	2.98	540	5.18	1000
495025 UL CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		Dual Foil + 95% Tinned Copper Braid Shield 2.8 Ω/Mft.	Plenum PVC		16.10	53.00	83	75	1	0.24									
		0.170	4.32		0.232	5.89					3.6	0.45	135	2.40	270	2.75	540	4.00	1500	6.36	2250

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