

RG 58/U Type

Product Construction:

Conductors:

- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:

- Solid and foam polyethylene (PE) designs

Shield:

- Tinned copper braid

Jacket:








- Premium PVC compound or PE compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- Broadcast
- LAN & data transmission
- See Coax Connector Cross Reference, pages 185-192

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'					
C1117 RG 58/U Type 	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Solid PE		70% Tinned Copper Braid 6.0 Ω/Mft.	Black PVC		28.50	93.51	66	53	1	0.40					
		0.116	2.95		0.195	4.95					10	1.20	50	2.90	100	4.20	200
C1155 RG 58 C/U Type MIL-C-17G Type 	20 Ga. (19/.0071) Tinned Copper 10.8 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Non-Contaminating Black PVC		30.80	101.05	66	50	1	0.42					
		0.116	2.95		0.195	4.95					10	1.50	50	3.70	100	5.40	200
C1166 RG 58/U Type JAN-C-17A Type 1354 	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Black PVC		30.00	98.43	66	50	1	0.40					
		0.116	2.95		0.195	4.95					10	1.20	50	2.90	100	4.20	200
397108 RG 58/U Type UL-CM c(UL) 1354 	20 Ga. Stranded (19/32) Tinned Copper 9.47 Ω/Mft.	Foam PE		95% Tinned Copper Braid 4.19 Ω/Mft.	Flame-Retardant PVC		26.00	85.30	78	53	1	0.36					
		0.102	2.59		0.193	4.90					5	0.79	10	1.12	50	2.54	100
C1178 RG 58A/U Type JAN-C-17A Type 1354 	20 Ga. (19/.0071) Tinned Copper 10.8 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Black PVC		31.80	104.34	66	50	1	0.42					
		0.116	2.95		0.195	4.95					10	1.50	50	3.70	100	5.40	200
C5045 RG 58/U Type 	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Permaline® Black PE		30.80	101.05	66	50	1	0.40					
		0.102	2.59		0.195	4.95					10	1.20	50	2.90	100	4.20	200
C1188 RG 58 A/U Type UL CL2, CM CSA CMG 1354 	20 Ga. (19/32) Tinned Copper 9.5 Ω/Mft.	Foam PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Black PVC		26.00	85.31	78	50	1	0.45					
		0.114	2.90		0.195	4.95					10	1.42	50	3.20	100	4.50	200

RG 58/U Type

Product Construction:

Conductors:

- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:

- Solid and foam polyethylene (PE) designs
- Solid and foam fluoropolymer (FEP) designs

Shield:

- Tinned copper braid

Jacket:





- Premium PVC compound or fluoropolymer

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- Broadcast
- LAN & data transmission
- See Coax Connector Cross Reference, pages 185-192

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'
397008 RG 58/U Type UL-CMR c(UL) 1354 	20 Ga. (19/32) Tinned Copper 9.47 Ω/Mft.	Foam PE		Dual Flexfoil® + 56% Tinned Copper Braid Shield 9.5 Ω/Mft.	Flame-Retardant PVC		26.50	86.90	78	52	1	0.50
		0.102	2.59		0.193	4.90					5	1.11
397106 RG 58/U Type UL-CM c(UL) 1354 	20 Ga. Solid Bare Copper 10.3 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.19 Ω/Mft.	Flame-Retardant PVC		28.50	93.50	66	51.5	1	0.39
		0.116	2.95		0.193	4.90					5	0.87
C3519 RG 58/U Type Plenum UL CL2P, CMP c(UL) CMP 	19 Ga. Solid Bare Copper 8.1 Ω/Mft.	Fluoropolymer		95% Tinned Copper Braid 2.9 Ω/Mft.	Flexguard® PVC Natural		25.00	82.00	82	50	1	0.40
		0.102	2.59		0.161	4.09					10	1.30
495011 RG 58/U Type UL-CMP Plenum 	20 Ga. Solid Bare Copper 10.3 Ω/Mft.	Fluoropolymer		95% Tinned Copper Braid 4.0 Ω/Mft.	PVDF		26.40	86.59	69	53	1	0.39
		0.106	2.69		0.193	4.90					5	0.90
											10	1.28
											50	3.05
											100	4.49
											200	6.72
											540	11.91
											1000	18.53

RG 58/U Type Thinnest Cable

50 Ohm IEEE 802.3 and ISO/IEC 8802.3 10 Base 2 Computer Cables

Product Construction:

Conductors:

- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:

- Solid and foam polyethylene (PE) designs
- Foam fluoropolymer (FEP) design

Shield:

- Tinned copper braid

Jacket:








- Premium PVC compound, PE compound or fluoropolymer

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- LAN & data transmission
- Thinnest – IEEE 802.3 and ISO/IEC 8802.3 10 base 2 computer cables
- See Coax Connector Cross Reference, pages 185-192

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'					
397002 Thinnest DEC 17-01248-00 UL-CM c(UL) 	20 Ga. Stranded (19/32) Tinned Copper 9.47 Ω/Mft.	Foam PE		Bonded Dual Flexfoil® + 93% Tinned Copper Braid Shield 5.4 Ω/Mft.	Flame-Retardant PVC		26.00	85.50	78	50	1	0.43					
		0.102	2.59		0.183	4.65					5	0.95	10	1.35	50	3.04	100
397107 Thinnest UL-CMX c(UL) AWM 1354 	21 Ga. Stranded (19/33) Tinned Copper 10.46 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.1 Ω/Mft.	Flame-Retardant PVC		30.50	100.00	66	50	1	0.41					
		0.116	2.95		0.193	4.90					5	0.98	10	1.32	50	3.22	100
397009 Thinnest Outdoor Rated 	20 Ga. Stranded (19/32) Tinned Copper 9.47 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.1 Ω/Mft.	PE		28.50	93.50	66	51.5	1	0.41					
		0.116	2.95		0.193	4.90					5	0.98	10	1.32	50	3.22	100
C3579 RG 58/U Type Thinnest Plenum UL CL2P, CMP c(UL) CMP 	20 Ga. (19/32) Tinned Copper 9.5 Ω/Mft.	Fluoropolymer		100% Flexfoil® +95% Tinned Copper Braid 3.1 Ω/Mft.	Flexguard® PVC Natural		26.00	85.31	78	50	1	0.60					
		0.100	2.54		0.165	4.19					10	1.30	50	2.90	100	4.20	200
497022 Thinnest DEC 17-01246-00 UL-CMP c(UL) Plenum 	20 Ga. Stranded (19/33) Tinned Copper 9.47 Ω/Mft.	Fluoropolymer		Dual Flexfoil® + 93% Tinned Copper Braid Shield 5.4 Ω/Mft.	Plenum PVC		25.40	83.30	80	50	1	0.43					
		0.100	2.54		0.160	4.06					5	0.98	10	1.39	50	3.18	100
497002 Thinnest DEC 17-01246-00 UL-CMP c(UL) Plenum 	20 Ga. Stranded (19/32) Tinned Copper 9.47 Ω/Mft.	Fluoropolymer		Dual Flexfoil® + 93% Tinned Copper Braid Shield 5.4 Ω/Mft.	PVDF		25.40	83.30	80	50	1	0.43					
		0.160	4.06		0.160	4.06					5	0.98	10	1.39	50	3.18	100
C5779 RG 58/U Type Thinnest UL CL2, CM CSA CMG 1354 	20 Ga. Stranded (19/32) Tinned Copper 9.5 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 81% Tinned Copper Braid 9.5 Ω/Mft.	Gray PVC		25.40	83.34	80	50	1	0.40					
		0.100	2.54		0.186	4.72					10	1.20	50	2.90	100	4.30	200