

50 Ohm Micro-Coaxial Cable

INDUSTRIAL

50 Ohm Micro-Coaxial Cable											Maximum Insertion Loss (S21) - dB/m (dB/ft)							Notes
Part Number Packaging / Weight UL Rating	Impedance Ω (TDR)	Coaxial Application Type	Jacket O.D. Inches (mm) Jkt Type / Color	Conductor/ AWG (Stranding) Plating	Core O.D. Inches (mm) Ins. Type	Shield Description	Conductor Resistance Ω /m (Ω /ft) @ 20C max	Propagation Delay ns/m (ns/ft) nom	Capacitance pF/m (pF/ft) @ 1 kHz nom	100 MHz	1.0 GHz	2.0 GHz	3.0 GHz	4.0 GHz	5.0 GHz	6.0 GHz		
40626-1-999-S-01000 304.8 m / 0.55 kg (1000 ft / 1.22 lbs) N/A	50 +/- 2	AN	0.037 (0.94) FEP / Clear	36 (7/44) SPC Alloy HPC-35EF	0.016 (0.40) PFA	46 AWG TC SB - 90%	1.60 (0.487)	4.85 (1.48)	102 (31)	1.20 (0.37)	3.55 (1.08)	5.25 (1.60)	6.50 (1.98)	7.85 (2.39)	9.10 (2.77)	10.30 (3.14)	-	
40322-1-000-S-01000 304.8 m / 0.87 kg (1000 ft / 1.93 lbs) UL 1745	50 +/- 2	AN	0.044 (1.13) FEP / Black	32 (7/40) SPC	0.026 (0.66) PFA	44 AWG TC SB - 92%	0.597 (0.181)	4.75 (1.45)	98 (30)	0.68 (0.21)	2.20 (0.67)	3.35 (1.02)	4.22 (1.29)	5.10 (1.55)	5.95 (1.81)	6.70 (2.04)	40322/1 mating connector Hirose U.FL	
40281-1-800-S-01000 304.8 m / 1.33 kg (1000 ft / 2.93 lbs) UL 1745	50 +/- 2	AN	0.052 (1.32) FEP / Gray	32 (7/40) SPC	0.026 (0.66) PFA	44 AWG TC DSB - 92%	0.597 (0.181)	4.75 (1.45)	98 (30)	0.68 (0.21)	2.20 (0.67)	3.35 (1.02)	4.22 (1.29)	5.10 (1.55)	5.95 (1.81)	6.70 (2.04)	40281/1 mating connector Hirose U.FL	
40278-1-000-S-01000 304.8 m / 1.45 kg (1000 ft / 3.20 lbs) UL 1745	50 +/- 2	AN	0.060 (1.52) FEP / Black	31 (7/39) SPC Alloy 135	0.030 (0.76) FEP	44 AWG SPC SB - 94%	0.508 (0.155)	4.75 (1.45)	98 (30)	0.60 (0.18)	2.17 (0.66)	3.30 (1.00)	4.19 (1.28)	5.00 (1.52)	5.75 (1.75)	6.40 (1.95)	-	
40371-1-600-S-01000 304.8 m / 0.58 kg (1000 ft / 1.29 lbs) UL 1354	50 +/- 2	AN	0.037 (0.94) PET Tape / Blue	30 (solid) SPC	0.027 (0.69) Cellular PE	44 AWG SPC SB - 91%	0.347 (0.106)	4.30 (1.31)	90 (27)	0.54 (0.16)	1.85 (0.56)	2.73 (0.83)	3.42 (1.04)	4.04 (1.23)	4.70 (1.43)	5.30 (1.62)	Ultra-small diameter w/tape jacket	
40309-1-000-S-01000 304.8 m / 1.45 kg (1000 ft / 2.45 lbs) UL 1943	50 +/- 2	AN	0.050 (1.27) FEP / Black	30 (solid) SPC	0.032 (0.80) PFA	44 AWG TC SB - 95%	0.347 (0.106)	4.75 (1.45)	98 (30)	0.56 (0.17)	1.75 (0.53)	2.63 (0.80)	3.25 (0.99)	3.85 (1.17)	4.40 (1.34)	4.90 (1.49)	-	
40505-1-000-S-01000 304.8 m / 1.17 kg (1000 ft / 2.76 lbs) UL 1745	50 +/- 2	AN	0.052 (1.32) FEP / Black	30 (7/38) SPC	0.035 (0.89) PFA	44 AWG TC SB - 95%	0.354 (0.108)	4.75 (1.45)	98 (30)	0.50 (0.15)	1.60 (0.49)	2.38 (0.73)	3.00 (0.91)	3.59 (1.09)	4.20 (1.28)	4.78 (1.46)	-	
40331-1-000-S-01000 304.8 m / 1.11 kg (1000 ft / 5.16 lbs) UL 1943	50 +/- 2	AN	0.070 (1.78) FEP / Black	40 (7/38) SPA	0.033 (0.84) FEP	38 AWG SPC SB - 96%	0.802 (0.244)	4.75 (1.45)	105 (32)	0.52 (0.16)	1.70 (0.52)	N/A	3.08 (0.94)	N/A	N/A	N/A	RG-178/U Type	
40194-1-000-S-01000 304.8 m / 2.35 kg (1000 ft / 5.17 lbs) UL 1943	50 +/- 2	AN	0.070 (1.78) FEP / Black	30 (7/38) SPC	0.033 (0.84) FEP	38 AWG SPC SB - 96%	0.354 (0.108)	4.75 (1.45)	98 (30)	0.50 (0.15)	1.80 (0.55)	2.68 (0.82)	3.40 (1.04)	4.10 (1.25)	4.75 (1.45)	5.35 (1.63)	-	
40236-1-998-S-01000 304.8 m / 2.72 kg (1000 ft / 6.00 lbs) N/A	50 +/- 3	AN	0.075 (1.91) FEP / Natural	28 (1/28) SPC	0.037 (0.94) FEP	38 AWG SPC SB - 96%	0.223 (0.068)	4.46 (1.36)	95 (29)	0.33 (0.10)	1.23 (0.38)	1.80 (0.55)	2.64 (0.81)	N/A	N/A	N/A	-	
40551-1-400-S-01000 304.8 m / 2.39 kg (1000 ft / 5.27 lbs) N/A	50 +/- 2	AN	0.071 (1.80) FEP / Yellow	26 (7/34) SPC	0.046 (1.15) Cellular FEP	40 AWG TC SB - 95%	0.121 (0.037)	3.97 (1.21)	79 (24)	0.31 (0.09)	1.11 (0.34)	N/A	N/A	N/A	N/A	N/A	-	
49278-1-900-S-01000 304.8 m / 2.05 kg (1000 ft / 4.52 lbs) UL CL2P	50 +/- 2	AN	0.100 (1.83) FEP / White	26 (7/34) SPC	0.060 (1.14) FEP	36 AWG TC SB - 90%	30.8 (0.94)	5.02 (1.52)	105 (32)	0.30 (0.09)	1.05 (0.32)	N/A	N/A	N/A	N/A	N/A	RG 174U Type	
40659-1-000-S-01000 304.8 m / 3.96 kg (1000 ft / 8.73 lbs) N/A	50 +/- 3	AN	0.110 (2.79) PVC / Black	25 (1/25) BCW	0.060 (1.52) PE	Alum/PET Tape plus 38 AWG TC SB - 93%	0.266 (0.081)	5.02 (1.53)	101 (31)	0.26 (0.08)	0.79 (0.24)	1.15 (0.35)	1.64 (0.50)	1.87 (0.57)	2.10 (0.64)	N/A	LMR 100 Type	
40386-2-000-S-01000 304.8 m / 8.50 kg (1000 ft / 18.74 lbs) N/A	50 +/- 3	AN	0.105 x 0.220 (2.66 x 5.59) PVC / Black	25 (1/25) BCW	0.060 (1.52) PE	Alum/PET Tape plus 38 AWG TC SB - 93%	0.266 (0.081)	5.02 (1.53)	101 (31)	0.21 (0.07)	0.82 (0.25)	1.21 (0.37)	1.64 (0.50)	1.67 (0.51)	1.90 (0.58)	2.17 (0.66)	Siamese construction	
40735-1-000-S-01000 304.8 m / 11.27 kg (1000 ft / 24.86 lbs) N/A	50 +/- 2	AN	0.195 (4.96) PVC / Black	19 (1/19) BC	0.110 (2.79) PE	36 AWG TC DSB - 95%	0.025 (0.0076)	4.17 (1.27)	83 (25)	0.1 (0.03)	0.40 (0.12)	0.55 (0.17)	0.75 (0.23)	0.85 (0.26)	0.95 (0.29)	1.02 (0.31)	LMR 195 Type	

Key: Micro-Coaxial Application Type: AN - Antenna; AV - Audio/Video; AVP - Audio/Video Plenum rated; CO - Central Office; IM - Industrial/Mining; IT - General; ME - Medical; MT - Military Type

75 Ohm Micro-Coaxial Cable

INDUSTRIAL

75 Ohm Micro-Coaxial Cable										Maximum Insertion Loss (S21) - dB/m (dB/ft)			
Part Number Packaging / Weight UL Rating	Impedance Ω (TDR)	Coaxial Application Type	Jacket O.D. Inches (mm) Jacket Type / Color	Conductor / AWG (Strand- ing) Plating	Core O.D. in. (mm) Insulation Type	Shield Description	Conductor Resistance Ω /m (Ω /ft) @ 20C max.	Propagation Delay ns/m (ns/ft) nominal	Capacitance pF/m (pF/ft) @ 1 kHz nominal	100 MHz	1.0 GHz	Notes	
40118-1-160-S-01000 304.8 m / 4.64 kg (1000 ft / 10.24 lbs) UL CMG	75 +/- 5	AV/CO	0.108 (2.74) PVDF / Beige	30 (7/38) SPC	0.060 (1.52) FEP	38 AWG SPC SB - 95%	0.316 (0.096)	4.79 (1.46)	62.0 (19.0)	0.26 (0.08)	0.98 (0.30)	RG 179 Type	
40137-1-100-S-01000 304.8 m / 7.23 kg (1000 ft / 15.94 lbs) UL 1943	75 +/- 5	AV/CO	0.120 (3.05) FEP / Lt. Brown	30 (7/38) SPC	0.060 (1.52) FEP	38 AWG SPC DSB - 95%	0.316 (0.096)	4.79 (1.46)	62.0 (19.0)	0.26 (0.08)	0.98 (0.30)	RG 179 Dual Shield Type	
40252-1-900-S-01000 304.8 m / 1.65 kg (1000 ft / 3.63 lbs) UL 1943	75 +/- 5	AV/CO	0.070 (1.78) PVC / White	34 (1/34) Silver Copper Clad Steel	0.033 (0.839) FEP	40 AWG TC SB - 85%	2.625 (0.798)	4.79 (1.46)	66.0 (20.0)	0.16 (0.05)	N/A	-	

75 Ohm for Video										Maximum Insertion Loss (S21) - dB/m (dB/ft)						
Part Number Packaging / Weight UL Rating	Impedance Ω (TDR)	Coaxial Application Type	Jacket O.D. Inches (mm) Jacket Type / Color	Conductor / AWG (Strand- ing) Plating	Core O.D. Inches (mm) Insulation Type	Shield Description	Conductor Resistance Ω /m (Ω /ft) @ 20C max.	Propagation Delay ns/m (ns/ft) nominal	Capacitance pF/m (pF/ft) @ 1 kHz nominal	1 MHz	5 MHz	10 MHz	22.5 MHz	50 MHz	100 MHz	200 MHz
40637-3-000-S-01000 (or) 40637-5-000-S-01000 304.8 m / 4.82 kg (1000 ft / 10.63 lbs) UL CMP and CMG	75 +/- 3	AV/CO	0.126 (3.24) PVC / Gray	26 (1/26) SPC	0.077 (1.96) Cellular PE	PET Aluminum + 38 AWG TC SB - 90%	0.134 (0.041)	4.26 (1.30)	56.1 (17.1)	0.0164 (0.01)	0.036 (0.01)	0.0377 (0.01)	0.0721 (0.02)	0.1043 (0.03)	0.1226 (0.04)	0.1466 (0.04)
40553-11-000-S-01000 304.8 m / 4.82 kg (1000 ft / 10.63 lbs) UL CMP and CMG	75 +/- 3	AV/CO	0.126 (3.24) PVC / Gray	28 (7/36) TC	0.061 (1.55) Cellular FEP	+ 38 AWG TC SB - 94%	0.222 (0.074)	3.97 (1.21)	53.0 (16.1)	0.0197 (0.01)	0.0459 (0.01)	0.0689 (0.02)	0.1064 (0.03)	0.1673 (0.05)	0.2493 (0.08)	-

75 Ohm for Mining										Maximum Insertion Loss (S21) - dB/m (dB/ft)					
Part Number Packaging / Weight UL Rating	Impedance Ω (TDR)	Coaxial Application Type	Jacket O.D. Inches (mm) Jacket Type / Color	Conductor / AWG (Strand- ing) Plating	Dielectric O.D. Inches (mm) Type	Inner Jacket O.D. in. (mm) Type / Color	Barrier	Shield Description	Conductor Resistance Ω /km (Ω /1000ft) @ 20C max.	Propagation Delay ns/m (ns/ft) nominal	Capacitance pF/m (pF/ft) @ 1 kHz nom	160 MHz	486 MHz		
40602-1-400-S-01000 304.8 m / 79 kg (1000 ft / 175 lbs) MSHA	75 +/- 3	IM	0.627 (15.93) PVC / Yellow	11 (1/11) BC	0.396 (10.06) PE	0.533 (13.53) PE Black	Polyester Tape	0.0236" BC SPIRAL	4.0 (1.23)	3.97 (1.21)	53 (16.15)	0.043 (0.13)	N/A	0.043 (0.13)	N/A
40603-1-400-S-01000 304.8 m / 55.3 kg (1000 ft / 122 lbs) CL2P	75 +/- 3	IM	0.352 (8.94) PVDF / Yellow	11 (1/11) BC	0.240 (6.10) Foam FEP	None	PTFE Tape	0.0236" BC SPIRAL	4.0 (1.23)	4.11 (1.25)	82 (25.0)	0.066 (0.02)	0.164 (0.05)	0.066 (0.02)	0.164 (0.05)

75 Ohm for Military										Maximum Insertion Loss (S21) - dB/m (dB/ft)							
Part Number Packaging / Weight UL Rating	Impedance Ω (TDR)	Coaxial Application Type	Jacket O.D. Inches (mm) Jacket Type / Color	Conductor / AWG (Strand- ing) Plating	Dielectric O.D. Inches (mm) Type	Shield Description	Conductor Resistance Ω /km (Ω /1000ft) @ 20C max.	Propagation Delay ns/m (ns/ft) nominal	Capacitance pF/m (pF/ft) @ 1 kHz nominal	50 MHz	100 MHz	400 MHz	1.0 GHz	3.0 GHz	5.0 GHz	11.0 GHz	Notes
41109-1-000-S-01000 304.8 m / 63.5 kg (1000 ft / 140 lbs) RG-214 Type	50 +/- 2	MT m17775*	0.425 (10.80) Non-Cont. PVC / Black	13 (7/0.296) SPC	0.285 (7.24) PE	34 AWG SPC DSB - 95%	5.77 (1.76)	5.05 (1.54)	106 (32.2)	0.056 (0.017)	-	0.223 (0.068)	-	0.92 (0.28)	-	1.97 (0.60)	Corona Extinction (5kV min)
41478-1-000-S-01000 304.8 m / 49.8 kg (1000 ft / 110 lbs) RG-213 Type	50 +/- 2	MT m17774*	0.405 (10.29) Non-Cont. PVC / Black	13 (7/0.296) BC	0.285 (7.24) PE	34 AWG BC SB - 95%	5.77 (1.76)	5.05 (1.54)	106 (32.2)	0.056 (0.017)	-	0.223 (0.068)	-	0.92 (0.28)	-	1.97 (0.60)	Corona Extinction (5kV min)
41176-1-000-S-01000 304.8 m / 11.3 kg (1000 ft / 25 lbs) RG-58 Type	50 +/- 2	MT m17728*	0.195 (4.95) Non-Cont. PVC / Black	20 (19/0072) TC	0.116 (2.95) FEP	36 AWG TC SB - 93%	48.54 (14.80)	5.05 (1.54)	106 (32.2)	0.13 (0.04)	0.21 (0.065)	0.56 (0.17)	0.92 (0.28)	-	-	-	Corona Extinction (1.9kV min)
41110-1-000-S-01000 304.8 m / 18.1 kg (1000 ft / 40 lbs) RG-223 Type	50 +/- 2	MT	0.212 (5.38) Non-Cont. PVC / Black	19 (1/0.035) SPC	0.116 (2.95) FEP	36 AWG SPC DSB - 95%	29.42 (8.97)	5.05 (1.54)	106 (32.2)	-	0.21 (0.065)	0.39 (0.12)	0.69 (0.21)	1.31 (0.40)	1.80 (0.55)	2.76 (0.84)	Corona Extinction (1.9kV min)
41422-1-000-S-01000 304.8 m / 16.5 kg (1000 ft / 36 lbs) RG-59 Type	75 +/- 2	MT m17729*	0.242 (6.15) Non-Cont. PVC / Black	23 (1/0.0226) CCS	0.146 (3.71) PE	34 AWG BC SB - 97%	157.44 (48.0)	5.05 (1.54)	72.2 (22)	-	-	0.29 (0.09)	0.52 (0.16)	-	-	-	Corona Extinction (2.3kV min)
41578-1-000-S-01000 304.8 m / 44 kg (1000 ft / 97 lbs) RG-211 Type	75 +/- 2	MT m1776*	0.425 (10.80) Non-Cont. PVC / Black	18 (7/0.0159) TC	0.285 (7.24) PE	34 AWG TC SB - 95%	21.65 (6.6)	5.05 (1.54)	72.2 (22)	-	-	0.21 (.065)	-	0.87 (0.27)	-	-	Corona Extinction (5kV min)

Key: Micro-Coaxial Application Type: AN - Antenna; AV - Audio/Video; AVP - Audio/Video Plenum rated; CO - Central Office; IM - Industrial/Mining; IT - General; ME - Medical; MT - Military Type

*HCA offering against listed Mil Type, but no current Mil spec approvals in place.