

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	

20 AWG • Stranded (7x28) 1.0 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire**Polyethylene Insulation • Chrome PVC Jacket**

300V 60°C	8772	NEC:	U-500	U-152	16.1	7.3	0.96 mm	0.070	1.78	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.218	5.54	-	CDR/CDR	27	89	Black, Red, Clear
UL AWM Style	2093	CMG	500	152	16.1	7.3	20 AWG							CDR/SCR	51	167	
		CEC:	U-1000	U-305	31.1	14.1	(7x28) TC										
		CM	1000	305	32.0	14.5											



Z-Fold®

3 CDR

18 AWG • Stranded (16x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire**Polyethylene Insulation • Chrome PVC Jacket**

300V 60°C	8770	NEC:	U-500	U-152	20.1	9.1	1.20 mm	0.083	2.12	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.246	6.25	-	CDR/CDR	24	79	Black, Red, Clear
UL AWM Style	2093	CMG	500	152	20.5	9.3	18 AWG							CDR/SCR	48	157	
		CEC:	U-1000	U-305	37.9	17.2	(16x30) TC										
		CM	1000	305	40.1	18.2											
			†† 10000	3048	431.0	195.5											



Shorting Fold

3 CDR

For Plenum version of 8770, see 88770.

18 AWG • Stranded (19x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire**Semi-Rigid PVC Insulation • Chrome PVC Jacket**

300V 80°C	9418	NEC:	100	31	5.7	2.6	1.24 mm	0.069	1.74	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.245	6.22	-	CDR/CDR	70	230	Red, Green, Black, White
UL AWM Style	2464	CMG	U-500	U-152	18.1	8.2	18 AWG							CDR/SCR	120	394	
		CEC:	500	152	24.5	11.1	(19x30) TC										
		CMG FT4	U-1000	U-305	35.3	16.0											
			1000	305	52.2	23.7											
			†† 10000	3048	509.9	231.3											



Z-Fold®

4 CDR

For Plenum versions of 9418, see 89418 or 82418.

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
†† Final put-up may vary -10% to +20%. May contain 2 pieces. Min. length 460 m.

Broadband Coax

Trunk Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid

Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)

70°C	CX3C0		2296	700	496.9	225.4	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	5	0.1	0.4
			3444	1050	745.4	338.1	Solid BC 4.5 /km* 1.9 /km**										2.6 /km*** 15.8 mm	100	0.5
			Return loss at		5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2150 MHz: 18 dB		Screening attenuation at 30-1000 MHz: 100 dB Transfer impedance at 5-30 MHz: 0.8 m /m Screening Class: A++ Pulling Tension: 1200 N										1000	2.0	6.5
																	1350	2.3	7.7
																	1750	2.7	9.0
																	2150	3.1	10.2
																	2400	3.3	10.9



FB20

70°C	CX3C3		2296	700	626.5	284.2	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	see above		
					Solid BC 4.5 /km* 1.9 /km**	2.6 /km*** 15.8 mm	x 30.00												



FB20

Available in Black.
7.2 mm ZP messenger

Return loss at		5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2150 MHz: 18 dB	Screening attenuation at 30-1000 MHz: 100 dB Transfer impedance at 5-30 MHz: 0.8 m /m Screening Class: A++ Pulling Tension: 6000 N
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Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket

70°C	CX3C2	IEC 332-1	2296	700	620.4	281.4	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	see above		
					Solid BC 4.5 /km* 1.9 /km**	2.6 /km*** 15.8 mm													



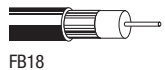
FB20

Return loss at		5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2150 MHz: 18 dB	Screening attenuation at 30-1000 MHz: 100 dB Transfer impedance at 5-30 MHz: 0.8 m /m Screening Class: A++ Pulling Tension: 1200 N
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Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil

Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)

70°C	CX3C1		2296	700	419.8	190.4	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.709	18.00	75	84%	16.5	54.0	see above		
			3444	1050	629.6	285.6	Solid BC 4.5 /km* 1.9 /km**										2.6 /km*** 15.3 mm		



FB18

Return loss at		5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2150 MHz: 18 dB	Screening attenuation at 30-1000 MHz: 100 dB Transfer impedance at 5-30 MHz: 0.8 m /m Screening Class: A++ Pulling Tension: 1200 N
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* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

Broadband Coax

Trunk Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Coax 3.5A • Solid 3.15 mm Copper-Clad Aluminium • Welded Aluminium Tube

Gas-Injected Foam Polyethylene Insulation • Black Polyethylene Jacket

70°C	YE00131		3280	1000	282.2	128.0	3.15 mm Solid CCA 5.55 /km* 3.5 /km**	0.513	13.03	Welded Aluminum Tube 2.05 /km*** 13.72 mm	0.610	15.50	75	88%	15.2	50.0	5	0.1	0.5
																	100	0.6	2.1
																	200	1.0	3.1
																	400	1.4	4.5
																	862	2.1	6.9
																	1000	2.3	7.4



Flooded
Return loss at 30-450 MHz: 30 dB
450-600 MHz: 28 dB
600-1000 MHz: 26 dB
Screening attenuation at 50-2150 MHz: 100 dB

70°C	YE00132		3280	1000	407.9	185.0	3.15 mm Solid CCA 5.55 /km* 3.5 /km**	0.513	13.03	Welded Aluminum Tube 2.05 /km*** 13.72 mm	0.610	15.50	75	88%	15.2	50.0				see above
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2.75 mm Steel Wire messenger
Return loss at 30-450 MHz: 30 dB
450-600 MHz: 28 dB
600-1000 MHz: 26 dB
Screening attenuation at 50-2150 MHz: 100 dB

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • CCA = Copper-Clad Aluminium

Broadband Coax

Trunk Cables








De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m
Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)																			
70°C	CX4C0		1640	500	183.0	83.0	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	5	0.2	0.6
			3280	1000	366.0	166.0	Solid BC 9.0 /km* 4.5 /km**	50	0.6								1.9		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB Screening Class: A+ Pulling Tension: 400 N																			
1000	3.0	10.0	1350	3.6	11.9	1750	4.2	13.9	2150	4.8	15.7	2400	5.1	16.8					
70°C	CX4C3		1640	500	248.0	112.5	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB Screening Class: A+ Pulling Tension: 6000 N																			
Available in Black. 5.8 mm ZP messenger																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	CX4C2	IEC 332-1	1640	500	211.6	96.0	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB Screening Class: A+ Pulling Tension: 400 N																			
Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil																			
Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)																			
70°C	CX4C1		1640	500	177.5	80.5	2.23 mm	0.402	10.20	Cu-foil 4.5 /km*** 10.6 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB Screening Class: A+ Pulling Tension: 600 N																			

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

IEEE 802.3, ISO/IEC 8802.3 10Base2 and 10Base5

Trunk Cables – Thinnet and Thicknet

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation			
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m	
Thinnet 10Base2 • 20 AWG • Stranded (19x32) 0.9 mm Tinned Copper • Duobond® II • 93 % Tinned Copper Braid																				
Ethernet • Foam HDPE Insulation • Grey PVC Jacket																				
	30V 60°C 9907	NEC:	500	152	12.6	5.7	0.94 mm	0.102	2.59	Duobond® II	0.185	4.70	50	80%	25.4	83.3	1	0.4	1.4	
	UL AWM Style 1354	CL2, CM	U-1000	U-305	25.1	11.4	20 AWG			+ 93% TC							10	1.3	4.3	
		CEC:	1000	305	25.1	11.4	(19x32) TC			19.0 /km***							50	2.9	9.5	
		CM	1640	500	41.0	18.6	47.9 /km*										100	4.2	13.8	
			2500	762	62.6	28.4	28.9 /km**										200	6.1	20.0	
			3280	1000	82.2	37.3											400	8.9	29.2	
																700	12.1	39.7		
																900	13.9	45.6		
																1000	14.8	48.6		
DEC Part No. 17-01248-00 For Plenum version of 9907, see 89907 or 82907.																				
Plenum • Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket																				
	300V 75°C 82907	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II	0.160	4.06	50	80%	25.4	83.3	1	0.4	1.4	
		CL2P	U-1000	U-305	23.1	10.5	20 AWG			+ 93% TC							10	1.3	4.3	
		CMP	† 1000	305	24.0	10.9	(19x32) TC			19.0 /km***							50	2.9	9.5	
		CEC:	† 2500	762	57.5	26.1	47.9 /km*										100	4.2	13.8	
		CM					28.9 /km**										200	6.1	20.0	
																	400	9.2	30.2	
																700	12.9	42.3		
																900	15.0	49.2		
																1000	16.0	52.5		
DEC Part No. 17-01246-00 Suitable for outdoor and direct burial applications.																				
Plenum • Ethernet • Foam FEP Insulation • Grey Fluorocopolymer Jacket																				
	300V 150°C 89907	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II	0.160	4.06	50	80%	25.4	83.3				
		CL2, CM	† 1000	305	24.0	10.9	20 AWG			+ 93% TC										
		CEC:	† 2500	762	60.2	27.3	(19x32) TC			19.0 /km***										
		CM					47.9 /km*													
							28.9 /km**													
DEC Part No. 17-01246-00 Suitable for outdoor and direct burial applications.																				
Thinnet 10Base2 • 12 AWG • Solid 2.05 mm Bare Copper • Duobond® IV Quad Shield																				
Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket																				
	30V 60°C 9880	NEC:	500	152	66.1	30.0	2.05 mm	0.243	6.17	Duobond® IV	0.405	10.29	50	78%	25.9	85.0	1	0.2	0.6	
	UL AWM Style 1478	CL2, CM	1000	305	131.2	59.5	12 AWG			Quad Shield							5	0.4	1.2	
		CEC:	1640	500	220.2	99.9	Solid BC			5.0 /km***							10	0.5	1.7	
		CM					9.66 /km*										50	1.2	3.9	
							4.66 /km**										100	1.7	5.6	
																	200	2.6	8.4	
																400	3.9	12.8		
																700	5.5	18.1		
																900	6.5	21.3		
																1000	6.9	22.6		
DEC Part No. 17-00451-00 5.0 /km For Plenum version of 9880, see 89880. Ring-band stripes marked every 2.5 meters to aid users in tap placement.																				
Plenum • Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket																				
	150°C 89880	NEC:	† 1000	305	134.3	60.9	2.05 mm	0.245	6.22	Duobond® IV*	0.375	9.53	50	78%	25.9	85.0	1	0.2	0.6	
		CL2P	† 1640	500	225.1	102.1	12 AWG			Quad Shield							5	0.4	1.2	
		CMP					Solid BC			5.0 /km***							10	0.5	1.7	
		CEC:					9.66 /km*										50	1.1	3.8	
		CM					4.66 /km**										100	1.6	5.4	
																	200	2.5	8.0	
																400	3.8	12.5		
																700	5.6	18.4		
																900	6.8	22.3		
																1000	7.2	23.6		
DEC Part No. 17-00324-00 Suitable for outdoor and direct burial applications. Ring-band stripes marked every 2.5 meters to aid users in tap placement.																				

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Duobond® II and Duobond® IV see technical information page 23.13.

 Not RoHS compliant at time of printing.

Industrial Data Solutions® - Industrial Ethernet Cables

Coaxial Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Thinnest 10Base2 Ethernet • 20 AWG • Stranded (19x32) 0.9 mm Tinned Copper • Duobond® II • 93% Tinned Copper Braid

Ethernet • Foam HDPE Insulation • Grey PVC Jacket																				
	30V 60°C	9907	NEC:	500	152	12.6	5.7	0.94 mm	0.102	2.59	Duobond® II	0.185	4.70	50	80%	25.4	83.3	1	0.4	1.4
	UL AWM Style 1354		CL2	U-1000	U-305	25.1	11.4	20 AWG			+ 93% TC							10	1.3	4.3
			CM	1000	305	25.1	11.4	(19x32) TC			Braid							50	2.9	9.5
			CEC:	1640	500	41.0	18.6	47.9 Ω/km*			19.0 Ω/km***							100	4.2	13.8
			CM	3280	1000	82.2	37.3	28.9 Ω/km**										200	6.1	20.0
																	400	8.9	29.2	
																	700	12.1	39.7	
																	900	13.9	45.6	
																	1000	14.8	48.6	

DEC Part No. 17-01248-00

Plenum • Ethernet • Foam FEP Insulation • Grey Fluorocopolymer Jacket																				
	300V 150°C	89907	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II	0.160	4.06	50	80%	25.4	83.3	1	0.4	1.4
			CL2P	† 1000	305	24.0	10.9	20 AWG			+ 93% TC							10	1.3	4.3
			CMP	† 2500	762	60.2	27.3	(19x32) TC			Braid							50	2.9	9.5
			CEC:					47.9 Ω/km*			19.0 Ω/km***							100	4.2	13.8
			CMP					28.9 Ω/km**										200	6.1	20.0
																	400	9.2	30.2	
																	700	12.9	42.3	
																	900	15.0	49.2	
																	1000	16.0	52.5	

RG-58/U Type

DEC Part No. 17-01248-00
Suitable for outdoor and direct burial applications.

Thickest 10Base5 Ethernet • 12 AWG • Solid 2.1 mm Bare Copper • Duobond® IV Quad Shield

Ethernet • Foam PE Insulation • Yellow PVC Jacket																				
	30V 60°C	9880	NEC:	500	152	66.1	30.0	2.05 mm	0.243	6.17	Duobond® IV	0.405	10.29	50	78%	25.9	85.3	1	0.2	0.6
	UL AWM Style 1478		CL2	1000	305	131.2	59.5	12 AWG			Quad Shield							5	0.4	1.2
			CM	1640	500	220.2	99.9	Solid BC			5.0 Ω/km***							10	0.5	1.7
			CEC:					9.7 Ω/km*										50	1.2	3.9
			CM					4.7 Ω/km**										100	1.7	5.6
																	200	2.6	8.4	
																	400	3.9	12.8	
																	700	5.5	18.1	
																	900	6.5	21.3	
																	1000	6.9	22.6	

DEC Part No. 17-00451-00
Ring-band stripes marked every 2.5 m to aid users in tap placement.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket																				
	150°C	89880	NEC:	1000	305	134.3	60.9	2.05 mm	0.245	6.22	Duobond® IV	0.375	9.53	50	78%	25.9	85.3			
			CL2P	†† 1640	500	225.1	102.1	12 AWG			Quad Shield									
			CMP					Solid BC			5.0 Ω/km***									
			CEC:					9.7 Ω/km*												
			CMP FT6					4.7 Ω/km**												

DEC Part No. 17-00324-00
Ring-band stripes marked every 2.5 m to aid users in tap placement. Suitable for outdoor and direct burial applications.

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
† Spools are one piece, but length may vary ±10% from length shown.
†† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.

Duobond® II and Duobond® IV see technical information page 23.13.

Video Triax Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Triax 8 • Stranded (19x0.36) 1.0 mm • Silver-Plated Copper • 90% Silver-Plated Copper Braid • 80% Bare Copper Braid

Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	7783AF		1000	305	75.0	34.0	0.99 mm 20 AWG (19x0.36) SPC 22.0 Ω/km* 12.0 Ω/km**	0.178	4.52	90% SPC Braid + 80% BC Braid 10.0 Ω/km*** 6.5 mm	0.331	8.40	75	82%	16.5	54.0	1	0.2	0.6
																	10	0.7	2.2
																	20	1.0	3.2
																	40	1.4	4.6
																	50	1.6	5.1
																	60	1.7	5.6
																	100	2.3	7.5
																	300	4.2	13.8
Return loss at 5-850 MHz: ≥ 21 dB																	Spools are one piece, but length may vary 0% to +10% from length shown.		

Triax 11 • Solid 1.4 mm Silver-Plated Copper • 90% Silver-Plated Copper Braid • 85% Bare Copper Braid

Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	7784AS		1000	305	100.1	49.3	1.4mm 16 AWG Solid SPC 18.4 Ω/km* 11.0 Ω/km**	0.256	6.50	90% SPC Braid + 85% BC Braid 7.4 Ω/km*** 7.2 mm	0.455	11.30	75	81%	16.8	55.0	1	0.2	0.5
																	10	0.5	1.6
																	20	0.7	2.3
																	40	1.0	3.3
																	50	1.1	3.7
																	60	1.3	4.1
																	100	1.6	5.2
																	300	3.1	10.3
																	750	4.6	15.2
Return loss at 5-750 MHz: ≥ 23 dB																	Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 300 N Spools are one piece, but length may vary ±5% from length shown.		

Foam Polyethylene Insulation • Red FRNC/LSNH Jacket																			
70°C	7784ANH		1000	305	100.1	52.3	1.4mm 16 AWG Solid SPC 18.4 Ω/km* 11.0 Ω/km**	0.256	6.50	90% SPC Braid + 85% BC Braid 7.4 Ω/km*** 7.2 mm	0.455	11.30	75	81%	16.8	55.0			
																			see above
Return loss at 5-750 MHz: ≥ 23 dB																	Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 300 N Spools are one piece, but length may vary 0% to +10% from length shown, 1000 m +/- 5%.		

Triax 11 • Stranded (19x0.28) 1.4 mm Silver-Plated Copper • 90% Silver-Plated Copper Braid • 85% Bare Copper Braid

Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	7784AF		1000	305	100.1	47.9	1.4mm 17 AWG (19x0.28) SPC 21.4 Ω/km* 14.0 Ω/km**	0.256	6.50	90% SPC Braid + 85% BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	82%	16.5	54.0	1	0.2	0.5
																	5	0.3	1.1
																	10	0.5	1.6
																	100	1.7	5.6
																	180	2.4	7.9
																	360	3.5	11.5
																	750	5.2	17.1
Flexible																			
Return loss at 5-750 MHz: ≥ 23 dB																	Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 270 N Spools are one piece, but length may vary 0% to +10% from length shown.		

Triax 11 • Solid 1.4 mm Bare Copper • 85% Bare Copper Braid • 80% Bare Copper Braid

Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	7784E		1640	500	173.5	78.7	1.4mm 16 AWG Solid BC 18.2 Ω/km* 11.2 Ω/km**	0.256	6.50	85% BC Braid + 80% BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	81%	16.8	55.0	1	0.2	0.5
																	3	0.2	0.8
																	5	0.4	1.3
																	10	0.5	1.7
																	100	1.8	5.8
																	300	3.2	10.6
																	750	4.8	15.6
Available: 7784ENH - with FRNC/LSNH Jacket 7784EPU - with PUR Jacket																	Pulling Tension: 300 N Spools are one piece, but length may vary ±5% from length shown.		

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • SPC = Silver-Plated Copper

Video Triax Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Triax 14 • Stranded (7x0.75) 2.2 mm Silver-Plated Copper • 80% Silver-Plated Copper Braid • 80% Bare Copper Braid**Foam Polyethylene Insulation • Red PVC Jacket**

70°C	7785A	1000	305	157.9	76.2	2.21 mm	0.382	9.70	80% SPC	0.571	14.50	75	82%	16.5	54.0	1	0.1	0.4
		1640	500	259.0	124.9	12 AWG			Braid							10	0.4	1.3
		1968	600	310.8	149.9	(7x0.75) SPC			+ 80% BC							20	0.5	1.7
						12.1 Ω/km*			Braid							40	0.8	2.5
						5.7 Ω/km**			6.4 Ω/km***						50	0.9	2.8	
									10.4 mm						60	0.9	3.1	
															100	1.3	4.2	
															300	2.3	7.6	
															1000	4.4	14.3	

Return loss at 5-850 MHz: ≥ 21 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Pulling Tension: 550 N
Spools are one piece, but length may vary 305 m 0% to +5%,
500 m ±10%, 600 m ±10% from length shown.

Foam Polyethylene Insulation • Red PVC Jacket

70°C	7785ANH	1000	305	157.9	80.3	2.21 mm	0.382	9.70	80% SPC	0.571	14.50	75	82%	16.5	54.0				
		1640	500	259.0	131.6	12 AWG			Braid										see above
		1968	600	310.8	157.9	(7x0.75) SPC			+ 80% BC										
						12.1 Ω/km*			Braid										
						5.7 Ω/km**			6.4 Ω/km***										
									10.4 mm										

Return loss at 5-850 MHz: ≥ 21 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Pulling Tension: 550 N
Spools are one piece, but length may vary 305 m 0% to +5%,
500 m ±5%, 600 m 0% to +10% from length shown.

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • SPC = Silver-Plated Copper