

Broadband Coax

Distribution 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

CT167C • Solid 1.67 mm Bare Copper • Copper-Foil • 55 % Bare Copper Braid

5-Cell Polyethylene Insulation • Black Polyethylene Jacket

70°C	CT167C1		328	100	24.5	11.1	1.67 mm Solid BC 15.0 /km* 8.5 /km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	5	0.3	0.9														
			820	250	61.2	27.8											50	0.9	2.8	230	1.8	6.0	470	2.9	9.4	862	3.8	12.6	1000	4.3	14.0	1350	5.0



Return loss at 5-470 MHz: 26 dB
470-1000 MHz: 23 dB
1000-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 85 dB
Transfer impedance at 5-30 MHz: 5.0 m /m
Screening Class: A
Pulling Tension: 300 N

5-Cell Polyethylene Insulation • Black RBS Polyethylene Jacket

70°C	CT167C3		820	250	63.4	28.8	1.67 mm Solid BC 15.0 /km* 8.5 /km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
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RBS jacket

Return loss at 5-470 MHz: 26 dB
470-1000 MHz: 23 dB
1000-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 85 dB
Transfer impedance at 5-30 MHz: 5.0 m /m
Screening Class: A
Pulling Tension: 300 N

5-Cell Polyethylene Insulation • Black PVC Jacket

70°C	CT167C0		820	250	52.4	23.8	1.67 mm Solid BC 15.0 /km* 8.5 /km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
			1640	500	104.7	47.5													
			3280	1000	209.4	95.0													



Return loss at 5-470 MHz: 26 dB
470-1000 MHz: 23 dB
1000-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 85 dB
Transfer impedance at 5-30 MHz: 5.0 m /m
Screening Class: A
Pulling Tension: 300 N

5-Cell Polyethylene Insulation • Grey FRNC/LSNH Jacket

70°C	CT167C2	IEC 322-1	820	250	52.4	23.8	1.67 mm Solid BC 15.0 /km* 8.5 /km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
			1640	500	104.7	47.5													
			3280	1000	209.4	95.0													



Return loss at 5-470 MHz: 26 dB
470-1000 MHz: 23 dB
1000-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 85 dB
Transfer impedance at 5-30 MHz: 5.0 m /m
Screening Class: A
Pulling Tension: 300 N

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

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Distribution 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

Series 11 • 14 AWG • Solid 1.63 mm Copper-Covered Steel • Duobond® II • 60% Aluminum Braid

Gas-Injected Foam Polyethylene Insulation • PVC Jacket (Black and White)

80°C	1523A	NEC: CATV CM CEC: CM	1000	305	67.0	30.4	1.63 mm 14 AWG Solid CCS 49.6 /km* 36.1 /km**	0.280	7.11	Duobond® II + 60% AL Braid 13.4 /km*** 7.98 mm	0.400	10.16	75	83%	16.2	53.1	5	0.3	1.1
																	55	0.9	3.0
Return loss at			5-470 MHz: 23 dB					Screening attenuation at 30-1000 MHz: 85 dB											
			470-862 MHz: 20 dB					Transfer impedance at 5-30 MHz: 5.0 m /m											
			862-2150 MHz: 18 dB					Screening Class: A											
								Pulling Tension: 1156 N											
								Sweep tested. 5 MHz to 1 GHz.											

80°C Aerial	1524AM		1000	305	90.0	40.8	1.63 mm 14 AWG Solid CCS 49.6 /km* 36.1 /km**	0.280	7.11	Duobond® II + 60% AL Braid 13.4 /km*** 7.98 mm	0.400	10.16	75	83%	16.2	53.1	see above		
																	x	x	
Return loss at			5-470 MHz: 23 dB					Screening attenuation at 30-1000 MHz: 85 dB											
			470-862 MHz: 20 dB					Transfer impedance at 5-30 MHz: 5.0 m /m											
			862-2150 MHz: 18 dB					Screening Class: A											
								Pulling Tension: 2400 N											
								Sweep tested. 5 MHz to 1 GHz.											

1.83 mm galvanized steel messenger

Gas-Injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)

80°C Burial	1525A		1000	305	60.2	27.3	1.63 mm 14 AWG Solid CCS 49.6 /km* 36.1 /km**	0.280	7.11	Duobond® II + 60% AL Braid 13.4 /km*** 7.98 mm	0.400	10.16	75	83%	16.2	53.1	see above		
																	x	x	
Return loss at			5-470 MHz: 23 dB					Screening attenuation at 30-1000 MHz: 85 dB											
			470-862 MHz: 20 dB					Transfer impedance at 5-30 MHz: 5.0 m /m											
			862-2150 MHz: 18 dB					Screening Class: A											
								Pulling Tension: 1156 N											
								Sweep tested. 5 MHz to 1 GHz.											

Core Guard®

PRG11C • Solid 1.55 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid

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

70°C	PRG11C0		820	250	37.5	17.0	1.55 mm Solid BC 20.0 /km* 9.4 /km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 /km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
			1640	500	75.0	34.0											50	0.9	2.8
			3280	1000	149.9	68.0											230	1.8	6.0
Return loss at			5-470 MHz: 26 dB					Screening attenuation at 30-1000 MHz: 85 dB											
			470-1000 MHz: 23 dB					Transfer impedance at 5-30 MHz: 5.0 m /m											
			1000-2000 MHz: 18 dB					Screening Class: A											
			2000-3000 MHz: 16 dB					Pulling Tension: 225 N											

1000 m put-up available in Black only.

70°C	PRG11C6		820	250	63.4	28.8	1.55 mm Solid BC 20.0 /km* 9.4 /km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 /km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	see above		
			1640	500	126.8	57.5											1750	5.7	18.7
			3280	1000	253.5	115.0											2150	6.4	21.1
Return loss at			5-470 MHz: 26 dB					Screening attenuation at 30-1000 MHz: 85 dB											
			470-1000 MHz: 23 dB					Transfer impedance at 5-30 MHz: 5.0 m /m											
			1000-2000 MHz: 18 dB					Screening Class: A											
			2000-3000 MHz: 16 dB					Pulling Tension: 4600 N											

Available in Black.
4.6 mm ZP messenger

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

Duobond® II see technical information page 23.13.

Broadband Coax

Distribution 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			
PRG11C • Solid 1.55 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid																						
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																						
70°C	PRG11C2	IEC 332-1	820	250	45.2	20.5	1.55 mm	0.285	7.25	Cu-foil + 50% BC Braid	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9			
			1640	500	90.4	41.0	Solid BC 20.0 /km* 9.4 /km**	10.6 /km*** 7.9 mm	230								1.8	6.0				
			Return loss at		5-470 MHz: 26 dB				Screening attenuation at 30-1000 MHz: 85 dB								1350		4.9		16.1	
					470-1000 MHz: 23 dB				Transfer impedance at 5-30 MHz: 5.0 m /m								1750		5.7		18.7	
					1000-2000 MHz: 18 dB				Screening Class: A								2150		6.4		21.1	
					2000-3000 MHz: 16 dB				Pulling Tension: 225 N								2400		6.9		22.5	
																	3000		7.8		25.7	
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																						
70°C	PRG11C4		820	250	44.6	20.3	1.55 mm	0.285	7.25	Cu-foil + 50% BC Braid	0.398	10.10	75	81%	16.8	55.0	see above					
			1640	500	89.3	40.5	Solid BC 20.0 /km* 9.4 /km**	10.6 /km*** 7.9 mm	230								1.8	6.0				
			Return loss at		5-470 MHz: 26 dB				Screening attenuation at 30-1000 MHz: 85 dB								1350		4.9		16.1	
					470-1000 MHz: 23 dB				Transfer impedance at 5-30 MHz: 5.0 m /m								1750		5.7		18.7	
					1000-2000 MHz: 18 dB				Screening Class: A								2150		6.4		21.1	
					2000-3000 MHz: 16 dB				Pulling Tension: 225 N								2400		6.9		22.5	
																	3000		7.8		25.7	
1000 m put-up available in Black only.																						
PRG11A • Solid 1.55 mm Bare Copper • Duofoil® • 50% Tinned Copper Braid																						
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																						
70°C	PRG11A3		1640	500	67.2	30.5	1.55 mm	0.285	7.25	Duofoil® + 50% TC Braid	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9			
							Solid BC 22.2 /km* 9.4 /km**	12.8 /km*** 7.9 mm	230								2.0	6.4				
			Return loss at		5-470 MHz: 26 dB				Screening attenuation at 30-1000 MHz: 85 dB								1350		5.1		16.8	
					470-1000 MHz: 23 dB				Transfer impedance at 5-30 MHz: 5.0 m /m								1750		5.9		19.5	
					1000-2000 MHz: 18 dB				Screening Class: A								2150		6.7		21.9	
					2000-3000 MHz: 16 dB				Pulling Tension: 225 N								2400		7.1		23.4	
																	3000		8.1		26.7	
Gas-Injected Polyethylene Insulation • White PVC Jacket																						
70°C	PRG11A2		1640	500	86.0	39.0	1.55 mm	0.285	7.25	Duofoil® + 50% TC Braid	0.398	10.10	75	81%	16.8	55.0	see above					
							Solid BC 22.2 /km* 9.4 /km**	12.8 /km*** 7.9 mm	230								2.0	6.4				
			Return loss at		5-470 MHz: 26 dB				Screening attenuation at 30-1000 MHz: 85 dB								1350		5.1		16.8	
					470-1000 MHz: 23 dB				Transfer impedance at 5-30 MHz: 5.0 m /m								1750		5.9		19.5	
					1000-2000 MHz: 18 dB				Screening Class: A								2150		6.7		21.9	
					2000-3000 MHz: 16 dB				Pulling Tension: 225 N								2400		7.1		23.4	
																	3000		8.1		26.7	

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

Duofoil® see technical information page 23.13.

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Distribution 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
PRG11D • Solid 1.55 mm Bare Copper • Duobond Plus® • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	PRG11D3		820	250	34.7	15.8	1.55 mm	0.285	7.25	Duobond Plus® + 50% TC Braid 9.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
			1640	500	69.4	31.5	Solid BC 18.9 /km* 9.4 /km**	50	0.9								2.8		
																			
BTQ																			
Return loss at 5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2000 MHz: 18 dB 2000-3000 MHz: 16 dB																			
Screening attenuation at 30-1000 MHz: 105 dB Transfer impedance at 5-30 MHz: 1.9 m /m Screening Class: A+ Pulling Tension: 250 N																			
Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket																			
70°C	PRG11D1	IEC 332-1	1640	500	97.0	44.0	1.55 mm	0.285	7.25	Duobond Plus® + 70% TC Braid 7.0 /km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0	see above		
							Solid BC 16.4 /km* 9.4 /km**												
																			
BTQ																			
Return loss at 5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2000 MHz: 18 dB 2000-3000 MHz: 16 dB																			
Screening attenuation at 30-1000 MHz: 105 dB Transfer impedance at 5-30 MHz: 1.9 m /m Screening Class: A+ Pulling Tension: 250 N																			
Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
70°C	PRG11D0		1640	500	83.8	38.0	1.55 mm	0.285	7.25	Duobond Plus® + 50% TC Braid 9.5 /km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0	see above		
							Solid BC 18.9 /km* 9.4 /km**												
																			
BTQ																			
Return loss at 5-470 MHz: 26 dB 470-1000 MHz: 23 dB 1000-2000 MHz: 18 dB 2000-3000 MHz: 16 dB																			
Screening attenuation at 30-1000 MHz: 105 dB Transfer impedance at 5-30 MHz: 1.9 m /m Screening Class: A+ Pulling Tension: 250 N																			

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

Duobond Plus® see technical information page 23.13.