

## Broadband Coax

### Drop 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. (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

**H125A • Solid 1.0 mm Bare Copper • Duofoil® • 70 % Tinned Copper Braid**

<b>Gas-Injected Polyethylene Insulation • White PVC Jacket</b>																				
70°C	H125A06	B-328	B-100	10.6	4.8	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 70% TC Braid 18.0 Ω/km*** 5.5 mm	0.268	6.80	75	81%	16.8	55.0	5	0.5	1.8		
		U-820	U-250	26.5	12.0											50	1.4	4.7		
		1640	500	52.9	24.0											100	2.0	6.5		
																230	3.0	9.8		
																400	3.9	12.9		
																800	5.7	18.6		
																862	5.9	19.3		
																1000	6.4	20.9		
																1350	7.5	24.6		
																1750	8.7	28.4		
																2150	9.7	31.9		
																2400	10.4	34.0		

**Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket**

70°C	H125A01	B-328	B-100	8.2	3.7	1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm	0.268	6.80	75	81%	16.8	55.0	see above				
		820	250	20.4	9.3															
		1640	500	40.8	18.5															

Return loss at 5-470 MHz: ≥ 23 dB  
 470-1000 MHz: ≥ 20 dB  
 1000-2000 MHz: ≥ 18 dB  
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB  
 Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m  
 Screening Class: B  
 Pulling Tension: 55 N

**Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket**

70°C	H125A03	IEC 332-1	B-328	B-100	9.3	4.2	1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm	0.268	6.80	75	81%	16.8	55.0	see above				
		820	250	20.4	9.3																
		1640	500	40.8	18.5																

Return loss at 5-470 MHz: ≥ 23 dB  
 470-1000 MHz: ≥ 20 dB  
 1000-2000 MHz: ≥ 18 dB  
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB  
 Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m  
 Screening Class: C  
 Pulling Tension: 55 N

**Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Grey or White)**

70°C	H125A00	B-328	B-100	9.7	4.4	1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm	0.268	6.80	75	81%	16.8	55.0	see above				
		U-820	U-250	24.3	11.0															
		1640	500	48.5	22.0															

Brown, Crème and Grey available in B-100 m only.

Return loss at 5-470 MHz: ≥ 23 dB  
 470-1000 MHz: ≥ 20 dB  
 1000-2000 MHz: ≥ 18 dB  
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB  
 Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m  
 Screening Class: C  
 Pulling Tension: 55 N

**Gas-Injected Polyethylene Insulation • Black PVC Jacket**

70°C	H125A04	820	250	46.8	21.3	1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm	0.268	6.80	75	81%	16.8	55.0	see above				

ShotGun

Return loss at 5-470 MHz: ≥ 23 dB  
 470-1000 MHz: ≥ 20 dB  
 1000-2000 MHz: ≥ 18 dB  
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB  
 Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m  
 Screening Class: C  
 Pulling Tension: 55 N

**Gas-Injected Polyethylene Insulation • Black PE Jacket**

70°C	H125A02	1640	500	83.8	38.0	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 50% TC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81%	16.8	55.0	see above				

4.4 mm ZP messenger

Return loss at 5-470 MHz: ≥ 23 dB  
 470-1000 MHz: ≥ 20 dB  
 1000-2000 MHz: ≥ 18 dB  
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB  
 Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m  
 Screening Class: B  
 Pulling Tension: 3500 N

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • ZP = Stranded Zinc-Plated Steel  
 Duofoil® see technical information page 23.13.