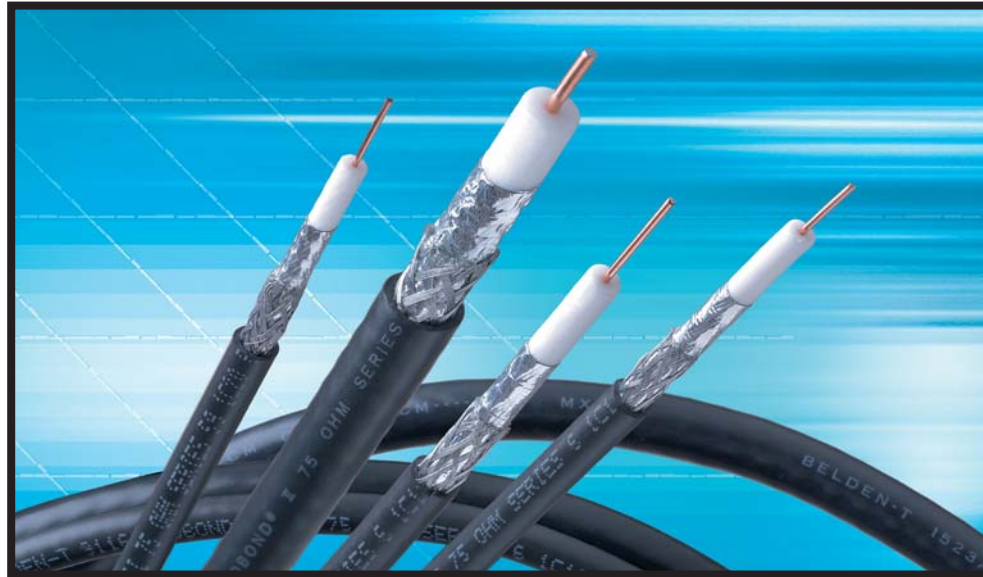


**NP 122E**

Belden's new CATV drop cables provide installers with a cost effective and readily available alternative to existing products.



**Belden® CATV Drop Cables for Cable TV, Satellite Dish and Broadband Applications**

Belden has introduced a series of CATV drop cables to provide CATV installers/system integrators in particular with a readily available, cost effective alternative which performs to the highest industry standards. They are designed for cable TV, satellite dish technology and broadband applications, where they deliver competitive price/performance when compared to cables of a similar construction. The new range comprises four of Belden's essential and best-performing CATV cables: RG-59, RG-6, RG-6 Trishield and RG-11.

**Cost Effective Link**

Key applications include Cable TV, Satellite dish technology and Broadband applications. As the last link to the consumer, new Belden CATV drop cables are a particularly cost effective way to install cabling for broadband systems or used in TV signal distribution networks and as antenna cable for terrestrial and satellite broadcast systems.

**A Readily Available Alternative**

These CATV cables are readily available alternative to products currently used in the market. Available in 305 m (1000 ft.) continuous lengths, they are robust and durable while possessing and maintaining the high standards of electrical performance required by the application.

By simulating every known environmental and electrical performance condition Belden has time-tested these cables for quality performance and durability. This guarantees outstanding value together with reliable and trouble-free operation.

**Shielding**

The Belden CATV drop cables are AL-PET shielded and bonded to the dielectric and have an outer braid. The latter is added to provide greater protection against interference and to increase overall tensile strength. The combination foil/braid shield combines the advantages of 100% foil coverage with the strength and low DC resistance of the braid.

**Product Availability**

New Belden CATV drop cables with white and/or black jackets are available from stock. Belden offers a complete line of cables available from a single source for every type of application.

**Belden at Your Service**

More information on Belden's broadband cables can be found in the Belden EMEA Master Catalog (section 9).

## Broadband Coax – CATV 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								
<b>Series 59 • 20 AWG • Solid 0.8 mm Copper-Covered Steel • AL/PET (Bonded) • 67 % Aluminum Braid</b>																											
<b>Foam Polyethylene Insulation • White PVC Jacket</b>																											
-25°C up to 75°C	<b>9104E</b>		1000	305	22.0	10.4	0.8 mm 20 AWG Solid CCS 202.0 Ω/km* 155.0 Ω/km**	0.144	3.66	AL/PET + 67% AL Braid 47.0 Ω/km***	0.237	6.10	75	83%	16.2	53.0	5	1.2	3.9								
																	50	1.4	5.6								
																	100	2.3	7.5								
																	230	3.4	11.4								
																	400	4.6	15.2								
																	800	6.7	22.0								
																	862	7.0	23.0								
																	1000	7.6	25.0								
																	1350	8.8	29.0								
																	1750	10.2	33.5								
2150	11.4	37.5																									
2400	12.2	40.0																									
3000	13.7	45.0																									
Return loss at	5-470 MHz: ≥ 20 dB			470-1000 MHz: ≥ 18 dB			1000-2000 MHz: ≥ 16 dB			2000-3000 MHz: ≥ 15 dB			Screening attenuation at 30-1000 MHz: ≥ 75 dB			Screening attenuation at 1000-2000 MHz: ≥ 65 dB			Screening attenuation at 2000-3000 MHz: ≥ 55 dB			Transfer impedance: ≤ 50 mΩ/m			Screening Class: C		
<b>Series 6 • 18 AWG • Solid 1.02 mm Copper-Covered Steel • AL/PET (Bonded) • 60 % Aluminum Braid</b>																											
<b>Gas-Injected Polyethylene Insulation • PVC Jacket (Black and White)</b>																											
-25°C up to 75°C	<b>9116E</b>		1000	305	30.0	12.7	1.02 mm 18 AWG Solid CCS 151.0 Ω/km* 95.0 Ω/km**	0.180	4.57	AL/PET + 60% AL Braid 46.0 Ω/km***	0.270	6.90	75	83%	16.2	53.0	5	0.8	2.5								
																	50	1.4	4.7								
																	100	2.0	6.3								
																	230	2.9	9.4								
																	400	3.8	12.5								
																	800	5.6	18.3								
																	862	5.9	19.5								
																	1000	6.4	21.0								
																	1350	7.4	24.5								
																	1750	8.6	28.0								
2150	9.6	31.5																									
2400	10.2	33.5																									
3000	11.5	38.0																									
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			Screening attenuation at 1000-2000 MHz: ≥ 65 dB			Screening attenuation at 2000-3000 MHz: ≥ 55 dB			Transfer impedance: ≤ 50 mΩ/m			Screening Class: C		
<b>Series 6 • 18 AWG • Solid 1.02 mm Copper-Covered Steel • AL/PET (Bonded) • 60 % Aluminum Braid + AL/PET Foil • Trishield</b>																											
<b>Gas-Injected Foam Polyethylene Insulation • Black PVC Jacket</b>																											
-25°C up to 75°C	<b>9118E</b>		1000	305	26.0	13.1	1.02 mm 18 AWG Solid CCS 125.0 Ω/km* 95.0 Ω/km**	0.180	4.57	AL/PET + 60% AL Braid 30.0 Ω/km***	0.275	7.10	75	83%	16.2	53.0	5	0.8	2.5								
																	50	1.4	4.7								
																	100	2.0	6.3								
																	230	2.9	9.4								
																	400	3.8	12.5								
																	800	5.6	18.3								
																	862	5.9	19.5								
																	1000	6.4	21.0								
																	1350	7.4	24.5								
																	1750	8.6	28.0								
2150	9.6	31.5																									
2400	10.2	33.5																									
3000	11.5	38.0																									
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			Screening attenuation at 1000-2000 MHz: ≥ 75 dB			Screening attenuation at 2000-3000 MHz: ≥ 65 dB			Transfer impedance: ≤ 10 mΩ/m			Screening Class: B		
<b>Series 11 • 14 AWG • Solid 1.63 mm Copper-Covered Steel • AL/PET (Bonded) • 60 % Aluminum Braid</b>																											
<b>Foam Polyethylene Insulation • PVC Jacket (Black and White)</b>																											
75°C	<b>1523E</b>		1000	305	54.1	25.5	1.63 mm 14 AWG Solid CCS 57.5 Ω/km* 37.5 Ω/km**	0.280	7.11	AL/PET + 60% AL Braid 20.0 Ω/km***	0.400	10.16	75	83%	16.2	53.0	5	0.5	1.5								
																	50	1.0	3.2								
																	100	1.3	4.2								
																	230	1.9	6.2								
																	400	2.5	8.5								
																	800	3.8	12.5								
																	862	4.1	13.5								
																	1000	4.4	14.3								
																	1350	5.1	16.6								
																	1750	5.9	19.5								
2150	6.4	21.0																									
2400	6.7	22.0																									
3000	7.6	25.0																									
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			Screening attenuation at 1000-2000 MHz: ≥ 65 dB			Screening attenuation at 2000-3000 MHz: ≥ 55 dB			Transfer impedance: ≤ 30 mΩ/m			Screening Class: C		

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • CCS = Copper-Covered Steel • AL = Aluminum