Belcom

CAI Type 100 Coax 75Ω

Broadband CATV Cables

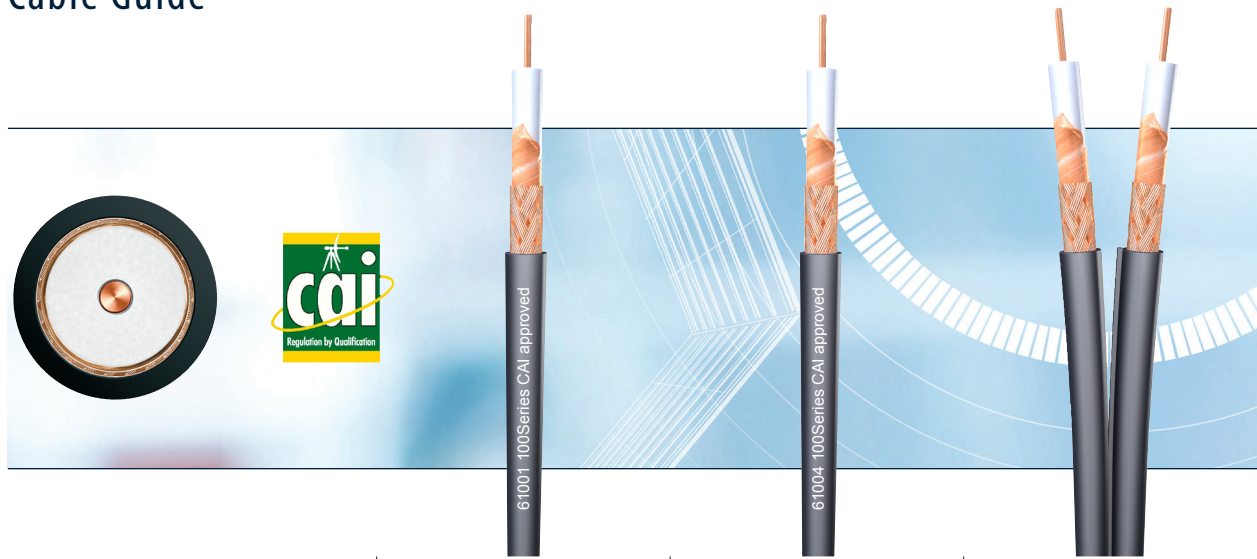" **CAI** *Benchmark*
CAI-07-C/100/09-2013 "

With the introduction of the digital era ensuring good quality reception and reduced interference is essential with any installation.

Born from the need for higher screening capabilities to facilitate the robust relay of digital signals, Belcom's range of 100Series Cables meets the standards for the technical performance of coaxial cable as determined by the CAIs specific requirements for satisfactory broadcast TV and radio reception both terrestrially and via satellite. CAI Benchmark accredited, our range of 100Series cables are the perfect install solution for your needs.

CAI Type 100 Coax 75Ω
Cable Guide

Part Number		**61001**	**61004**	**621004**
Physical Characteristics				
Inner Conducotr		Solid bare copper wire	Solid bare copper wire	Solid bare copper wire
Stranding	mm	1/1,0 ± 0,02	1/1,0 ± 0,02	1/1,0 ± 0,02
Dielectric		Foam Polyethylene (PE)	Foam Polyethylene (PE)	Foam Polyethylene (PE)
Diameter	mm	4,60 ± 0,15	4,60 ± 0,15	4,60 ± 0,15
Shielding		Bare copper tape screen	Bare copper tape screen	Bare copper tape screen
Overlap	%	≥ 120	≥ 120	≥ 120
Outer Conducotr		Bare copper wire braid	Bare copper wire braid	Bare copper wire braid
Coverage	%	55 ± 3	55 ± 3	55 ± 3
Outer Jacket		PVC	LSZH FireFighter®	LSZH FireFighter®
Overall Diameter	mm	6,55 ± 0,3	6,55 ± 0,3	6,55 ± 0,3 x 13,8 ± 0,3
Electrical Characteristics				
Characteristic Impedance	Ω	75±3	75±3	75±3
Capacitance	pF/m	54	54	54
Velocity Ratio	%	≥ 82	≥ 82	≥ 82
DCR : Inner Conductor	Ω/km	< 26	< 26	< 26
DCR : Outer Conductor	Ω/km	< 15	< 15	< 15
Dielectric Strength	VCA	1500	1500	1500
Insulation Resistance	MΩ•km	> 10,000	> 10,000	> 10,000
Attenuation @ 100 MHz	dB/100m	< 6,50	< 6,50	6,50 ± 15%
Attenuation @ 1000 MHz	dB/100m	< 21,5	< 21,5	< 21,5
Standards				
Standards		acc. to CAI Benchmark CAI-07-C/100/09-2013	acc. to CAI Benchmark CAI-07-C/100/09-2013	acc. to CAI Benchmark Without certification
Fire Behaviour		IEC 60332-1	IEC 60332-1, IEC 60754-1/2, IEC 61034-1/2	IEC 60332-1, IEC 60754-1/2, IEC 61034-1/2

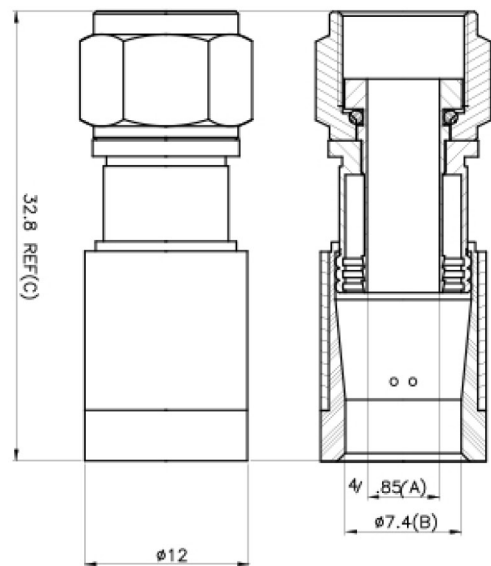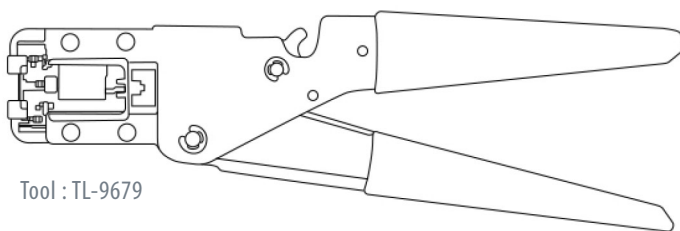# Compression Assembly Tool for Snap and Seal Connectors

TL-9679

Description

Dimensions 216 L x 43 W x 25.4 D Weight 465g

Tool - TL-9679 F Type Connectors Compression Tool to suit RG6/100 series (61001/61004) CAI coax

Connectors - F9680 F Type Compression Plug RG6 CT100 (61001/61004)

Tool : TL-9679

Before Crimp   After Crimp

Connectors : F9680 F Type Compression Plug