

# 75 OHMS Coaxial Contacts



## Description

Amphenol Socapex 75OHMS impedance matched coaxial contacts are designed for use with coaxial cable in video systems (HD-SDI and 3G-SDI).



## Main Features

- Provides 75 ohms matched impedance resulting in low VSWR and low insertion loss
- Does not require contact polarization within the insert (concentric interface)
- Available for MIL-DTL-38999/EN3645 and SIM/EN4165
- Crimp and PC Tails termination
- Easy cable adaptation upon request

## Technical data

- Center contact, outer bodies, ferrule: Copper alloy, 50 micro-inches gold over nickel plating
- Front and rear insulator: Fluoropolymer or equivalent
- Piggy back grommet: Fluorosilicone rubber, thermoplastics

## Environmental Performance

- Operating temperature -65°C to +200°C
- Durability: 500 mating cycles

## Electrical Performance

Typical VSWR	Meet HD-SDI and 3G-SDI
Insulation resistance	5,000 megaohms minimum at 25°C
Dielectric Withstanding Voltage	
Size 6 and 8	1300VRms at sea level 250VRms at 50,000ft
Size 12	1000VRms at sea level 250VRms at 50,000ft

## Markets & Applications



C4ISR



Navy



Ground Vehicle



Space



Applications:

› Camera

› Video acquisition

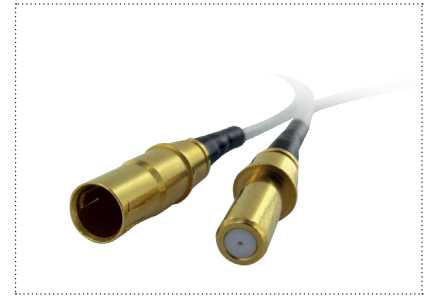
› Video recording

› In-Flight Entertainment

# MIL-DTL-38999 / EN3645 / EN4165

## Crimp Contacts

Contact Size	Cable	Contact Part Number		Piggy Back Grommet
		Pin	Socket	
8	RG179-B/U	600822	600841	603161
	PIC V75268			
	PIC V76261	600830	600836	900472
	PIC V73263			
	EMTEQ TFLX 125-075-01			
	TIMES LMR-240-75	603963	603964	612034
	RG59 (MIL-DTL-17/29)	603967	603968	612034
	PIC V78209	603307	603308	900475
	BELDEN 1855A			
	VDM230	603954	603955	900475
TIMES-LMR-200-75				
12	RG179-B/U	603039	603052	N/A
	EMTEQ TFLX 125-075-01			
	PIC V73263	603360	603361	N/A
	PIC V76261			



## PC TAILS Contacts

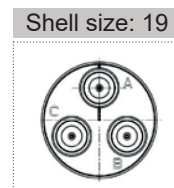
Contact Size	Tail Length	Contact Part Number	
		Pin	Socket
8	CI	600889	600909
12*	CI	603425	603420

\* Series III

For other stick outs or custom board termination, please consult us.

## MIL-DTL-38999 / EN3645 SIZE 6 CONTACTS SOLUTION

Amphenol Socapex introduce size 6 coaxial contacts dedicated for 75 Ohms applications. Those coax contacts are the perfect choice when the cable size can't fit in a standard contact size. The size 6 coaxial contacts series are designed for special cavities for MIL-DTL-38999 shells. 2 arrangements are available with several platings.



## Crimp Contacts

Contact Size	Cable	Contact Part Number		Piggy Back Grommet
		Pin	Socket	
6	RG179-B/U	600757	603180	600762
	DRAKA HD PRO 08/3,7 AF			
	BELDEN RG59 08/3,7			
	GRUN 0,6/3,7	600813	600715	600759
	BELDEN 1855A			
	TIMES LMR-200-75			



## PC TAILS Contacts

Contact Size	Tail Length	Contact Part Number	
		Pin	Socket
6	CI	600714	/

# 2M/EN4165 SERIES

## Crimp Contacts

Contact Size	Cable	Contact Part Number		Piggy Back Grommet
		Pin	Socket	
12	RG179-B/U	603039	603139	N/A
	EMTEQ TFLX 125-075-01			
	PIC V73263	603360	603195	N/A
	PIC V76261			

For PC Tail version, please consult us.



# 387TV SERIES

387TV connector series is a unique product derived from MIL-DTL-38999 Series III which offer a size 8 single cavity in a low-profile envelope.

## Crimp Contacts

Contact Size	Cable	Contact Part Number		Piggy Back Grommet
		Pin	Socket	
8	RG179-B/U	603838	603828	603161
	PIC V75268			
	PIC V76261	603578	603748	900472
	PIC V73263			
	EMTEQ TFLX 125-075-01			



## PC TAILS Contacts

Contact Size	Contact Part Number		Piggy Back Grommet
	Pin	Socket	
8	612008	612310	900472

More information, read "387TV - Size 7 connector" brochure, DOC-000106-ANG.