

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

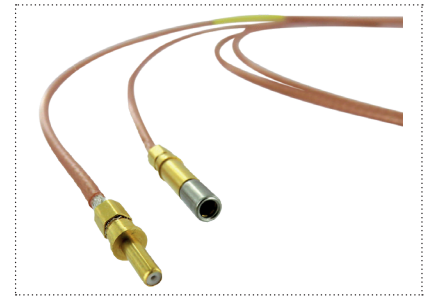
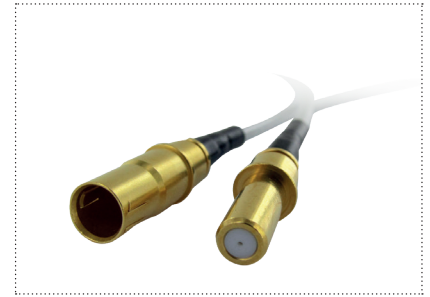
› Video recording

› 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

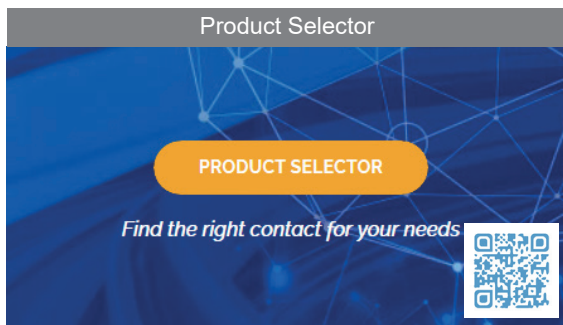
More information, read "387TV - Size 7 connector" brochure, DOC-000106-ANG.

ARINC 600 SERIES

Contact Size	Cable	Contact Part Number	
		Pin	Socket
8	RG179-B/U	612127	612126
	EMTEQ TFLX 125-075-01		
	PIC V73263	612242	612244
	PIC V76261		

For PC Tail version, please consult us.

See our product Selector, Traceparts or coax contacts termination procedure



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Connectors / Coaxial Connectors](#) category:

Click to view products by [Amphenol](#) manufacturer:

Other Similar products are found below :

[8915-1511-000](#) [89674-0827](#) [6001-7071-019](#) [6002-7051-003](#) [6002-7551-202](#) [6059674-1](#) [619550-1](#) [630059-000](#) [M39030/3-01N](#) [M3933/25-36N](#) [6500-7071-046](#) [6769](#) [CX050L2AQ](#) [7002-1542-011](#) [7004-1512-000](#) [7009-1511-004](#) [7010-1511-000](#) [7029-1511-060](#) [7101-1541-010](#) [7101-1571-002](#) [7105-1521-002](#) [7145-1521-002](#) [7203-1571-003](#) [7209-1511-011](#) [7210-1511-015](#) [7210-1511-019](#) [73137-5015](#) [73216-2241](#) [7325-1512-000](#) [73404-2300](#) [7405-1521-005](#) [7405-1521-802](#) [7406-1521-005](#) [8527](#) [8547](#) [FS11V](#) [8808-1511-001](#) [9049-9513-000](#) [9074-9513-000](#) [9101-9573-002](#) [910A205F](#) [9130-9573-002](#) [PL11SC-026](#) [PL375-33](#) [PL40-5](#) [PL71-9](#) [PL74C-221](#) [PL75MC-217](#) [PL803-7](#) [980-8666-005](#)