

PART NUMBER						
PRODUCT SERIES	SHELL SIZE	KEYING	CABLE OPTION	CONTACT TYPE	CONNECTOR TYPE	LENGTH IN INCHES
716	25	N	T	A	S	LLL
716	23	N	T	A	S	LLL
716	21	N	T	A	S	LLL

SPECIFICATIONS

OPERATING FREQUENCY: DC - 18 GHz*

VSWR: DC - 12 GHz 1.35:1 MAX
12 - 18 GHz 1.45:1 MAX

INSERTION LOSS: See calculator on storm website

SHIELDING: -60 dB @ 18 GHz MAX (tested per MIL-STD 1344 method 3008)

OPERATING TEMPERATURE: -55°C TO +100°C

CABLE TYPE: Coax, Teledyne Storm 421-010 (True Blue® 205)

MATERIALS AND FINISHES†

38999 CONNECTOR:

- Aluminum shell per MIL-DTL-38999
- Electroless nickel per MIL-DTL-38999

BACKSHELL: Stainless steel

SHRINK BOOT: Fluid resistant elastomer (Raychem RT-1325)

CONTACTS: Gold plated beryllium copper, PTFE dielectric, and stainless steel

* Higher frequency options are also available
† Many other finishes, cable types, and materials available upon request.



(p) 630.754.3300 www.teledynestorm.com

PREFERRED 38999 CIRCULAR CONNECTORS FOR RF HARNESSSES

CABLE TYPE	CONTACT SIZE	38999 SHELL SIZE						
		#25	#23	#21	#19	#17	#15	#11
Storm Flex® 047 & Semi-Rigid 047	#20 MAX FREQUENCY: 60 GHz	 INSERT 25-61 61 Contacts	 INSERT 23-55 55 Contacts	 INSERT 21-41 41 Contacts	×	 INSERT 17-26 26 Contacts	 INSERT 15-19 19 Contacts	 INSERT 11-99 7 Contacts
Storm Flex® 047 & 086, Semi-Rigid 047 & 086	#16 MAX FREQUENCY: 30 GHz	 INSERT 25-37 37 Contacts	 INSERT 23-21 21 Contacts	 INSERT 21-16 16 Contacts	 INSERT 19-11 11 Contacts	 INSERT 17-8 8 Contacts	 INSERT 15-5 5 Contacts	×
Phase Master® 110, True Blue® 125, Storm Flex® 141 & 086, Semi-Rigid 141 & 086	#12 MAX FREQUENCY: 26 GHz	 INSERT 25-19 19 Contacts	×	 INSERT 21-11 11 Contacts	×	 INSERT 17-6 6 Contacts	×	×
Phase Master® 110 & 190, dB Miser™ 210, True Blue® 125 & 205, Storm Flex® 141 & 086, Semi-Rigid 141 & 086	#8 MAX FREQUENCY: 23 GHz	 INSERT 25-8 8 Contacts	 INSERT 23-6 6 Contacts	 INSERT 21-75 4 Contacts	×	×	×	×
38999 Plug Outside Diameter		Ø 1.625"	Ø 1.500"	Ø 1.375"	Ø 1.250"	Ø 1.187"	Ø 1.000"	Ø 0.984"

× = NO SHELL AVAILABLE IN THIS CONFIGURATION



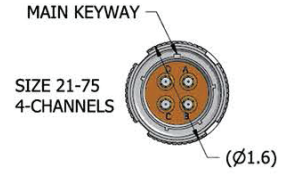
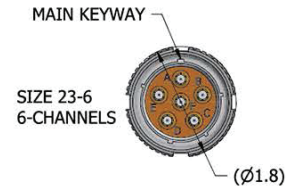
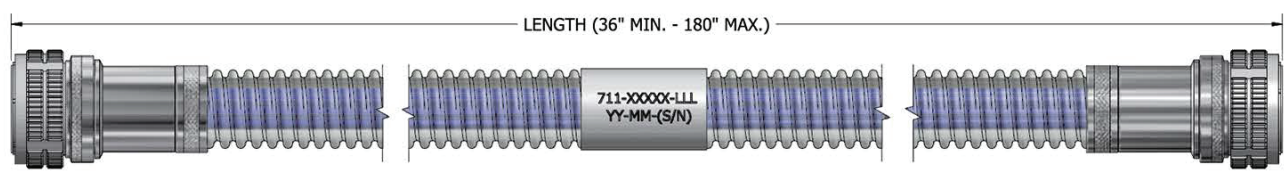
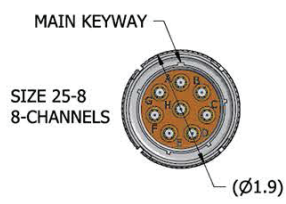
AS9100/ISO 9001 REGISTERED

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PR1-0042 Rev A



PART NUMBER						
PRODUCT SERIES	SHELL SIZE	KEYING	CABLE OPTION	CONTACT SIZE	SLEEVING TYPE	LENGTH IN INCHES
711	25	N	T	8	1	LLL
711	23	N	T	8	1	LLL
711	21	N	T	8	1	LLL

SPECIFICATIONS

OPERATING FREQUENCY: DC - 18 GHz*

VSWR: DC - 12 GHz 1.35:1 MAX
12 - 18 GHz 1.45:1 MAX

INSERTION LOSS: See calculator on storm website

SHIELDING: -60 dB @ 18 GHz MAX (tested per MIL-STD 1344 method 3008)

OPERATING TEMPERATURE: -55°C TO +100°C

CABLE TYPE: Coax, Teledyne Storm 421-010 (True Blue® 205)

MATERIALS AND FINISHES†

38999 CONNECTOR:

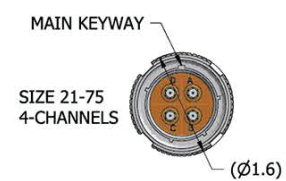
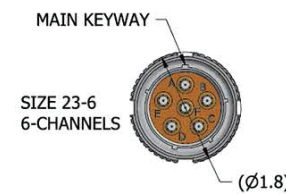
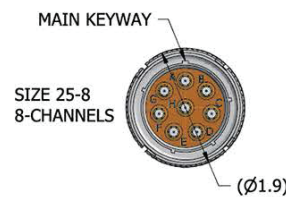
- Aluminum shell per MIL-DTL-38999
- Electroless nickel per MIL-DTL-38999

BACKSHELL: Stainless steel convoluted

TUBING: FEP

CONTACTS: Gold plated beryllium copper with PTFE dielectric

* Higher frequency options are also available
† Many other finishes, cable types, and materials available upon request.



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SHIELDING: -60 dB @ 18 GHz MAX (tested per MIL-STD 1344 method 3008)

OPERATING TEMPERATURE: -55°C TO +100°C

CABLE TYPE: Coax, Teledyne Storm 421-010 (True Blue® 205)

MATERIALS AND FINISHES†

38999 CONNECTOR:

- Aluminum shell per MIL-DTL-38999
- Electroless nickel per MIL-DTL-38999

BACKSHELL: Stainless steel

SHRINK BOOT: Fluid resistant elastomer (Raychem RT-1325)

SLEEVING: Flame-retardant polyester (PET)

CONTACTS: Gold plated beryllium copper with PTFE dielectric

* Higher frequency options are also available
† Many other finishes, cable types, and materials available upon request.