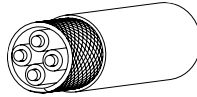


Cable Usage Guide

Use the Cable Usage Guide on pages 7-9 as follows:

1. Locate the cable you are using in Cable Type column. For cables not listed consult Amphenol Aerospace.
2. Refer to the Amphenol Connector section which features contacts/adapters for this cable. Connector size, performance features and insert pattern availability may influence your choice.
3. Order your connector and contacts or transition adapters by following the procedure given in the section for the connector series selected. These instructions are supplemented by the Amphenol Catalog Section covering the basic connector.

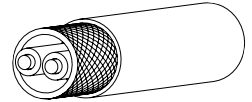
Quadrax Contacts CABLE USAGE GUIDE D38999 Series III* Connectors



Cable Type	Nominal Impedance (ohms)
Draka Fileca F-4703-3	100
F-4703-4	
F-4704-5	
F-47-4-6	
Filotex ET2PC236	
ET2PF870	
PIC Wire E50424	
E50426	
E51424	
Tensolite NF22Q100	
NF24Q100	
NF24Q100-1	
NF24Q100-01-200C	
NF26Q100	
NF26Q100-1	
NF26-2Q100	
24443/03130X-4(LD)	
24443/03166X-4(LD)	
24443/9P025X-4(LD)	
23450/04090X-4 (LD)	
24443/C20714X-4(LD)	
Gore RCN7688	110
RCN8513	
S280W502-4	
JSF-18-3	
Themax 956-4TN	
956-5	
T956-4T200	
MX100Q-24	
Tensolite 24450/03089X-4(LD)	
Gore RCN8487	
JSFY02-1	150
JSF18	
Tensolite 26473/02006X-4(LD)	
Gore RCN8328	

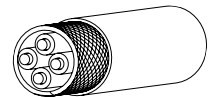
* Requires modified connector to accommodate keyed contacts.

Differential Twinax Contacts CABLE USAGE GUIDE D38999 Series III* Connectors



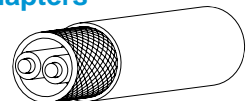
Cable Type	Nominal Impedance (ohms)
Tensolite 26463/70460X-2	98
ST5M1284-003	
Draka Fileca 2709-3	100
PIC Wire E10224	
Tensolite NF24T100-200C Space	
23460/05114X-2(LD)	
24463/03220T-2(LD)	
24463/05099X-8(LD)	
26453/03184X-2(LD)	
24463/9P025X-2(LD)	
Raychem 0026A0024, 0024G0024	
S280W502-6	
JSFY11-24	150
Gore GSC-05-827300-00	
Thermax 956-6262, 956-1T200	
12814	
MX 100-24	
Tensolite 26483/03071X-2(LD)	

Quadrax Transition Adapters CABLE USAGE GUIDE D38999 Series III* Connectors or ARINC 600 Connectors



Cable Type	Nominal Impedance (ohms)
Draka Fileca F-4703-3	100
F-4704-4	
Tensolite NF22Q100	
NF22Q100-01	
NF24Q100	
NF26Q100	
Themax 956-5	
Gore GSC-10-8273900	
Tensolite 26473/02006X-4(LD)	
	150

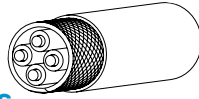
Differential Twinax Transition Adapters CABLE USAGE GUIDE D38999 Series III* Connectors or ARINC 600 Connectors



Cable Type	Nominal Impedance (ohms)
M17/176-00002	78
Tensolite 224463/9P025X-2	100
24463/9P025X-2(LD)	
Tensolite 26483/03071X-2	150

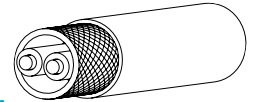
Cable Usage Guide, cont.

Quadrax Contacts CABLE USAGE GUIDE ARINC 600 Rack & Panel Connectors



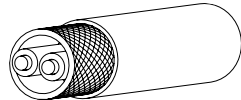
Cable Type	Nominal Impedance (ohms)
Draka Fileca F-4703-3	100
F-4704-5, F4704-4	
Tensolite NF22Q100	
NF24Q100	
24443/03130X-4(LD)	
24443/9P025X-4(LD)	110
S280W502-4	
JSFY02-1	150
Gore RCN8328	
Tensolite 26473/02006X-4(LD)	

Differential Twinax Contacts CABLE USAGE GUIDE ARINC 600 Rack & Panel Connectors



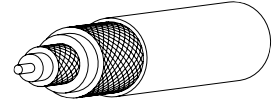
Cable Type	Nominal Impedance (ohms)
ABS0386WF24	100
ASNE0272TK22	100
ASNE0272TK24	100
Tensolite 24463/9P025X-2(LD)	100

Concentric Twinax Contacts CABLE USAGE GUIDE D38999 Series I, II, III & SJT Connectors



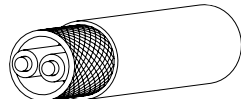
Cable Type	Nominal Impedance (ohms)
EPD32263A	77
EPD22189B	77
M17/176-00002	77
GSC-12-2548-00	77
GC875TM24H	77
GSC-12-81095-00	77
Raychem 10602	77
10606	77
10612	77
10613	77
10614	77
23089/RC	77
05A0771	77
T10971	77
7724C8664	77
7726D0664	77
782OD0111 (20 AWG)	78
0024G0024	100
5M2022-003	100
HS5930	100
S280W502-1	100
CXN2268	100

Triax Contacts CABLE USAGE GUIDE D38999 Series I, II, III & SJT Connectors



Cable Type	Nominal Impedance (ohms)
JN1088WT	50
5M2397-002	75
81264-02	75
JN1088WU	75
Gore GSC-03-81497-00	75
RG179 (Coax Cable)	75
Tensolite 28988/50823LXX-1	75
Tensolite 28988/50823LXX-1	75
Thermatics 12447	75
10602 (Twinax Cable)	77
5M2559-001	95
81264-01	95
ST5M1323-001	95
Champlain 81-00700	95
Tensolite 28598/9C026LT-1	95
26895/90334X-1	95
Teledyne 13809	95
11914/1	95
Times AA6603	95

Concentric Twinax Contacts CABLE USAGE GUIDE ARINC 600 Rack & Panel Connectors



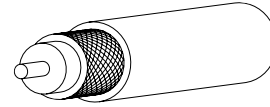
Cable Type	Nominal Impedance (ohms)
S280W502-1	100

Cable Usage Guide, cont.

Use the Cable Usage Guides on this page for Coax Contacts as follows:

1. Locate the cable you are using in Cable Type column. For cables not listed consult Amphenol Aerospace.
2. Refer to the Amphenol connector section which features contacts for this cable, as indicated by a • in the appropriate column. If more than one connector series utilizes contacts designed for your cable, investigate each of them. Connector size, performance features and insert pattern availability may influence your choice.
3. Order your connector and coax contact by following the procedure given in the section for the connector series selected. These instructions are supplemented by the Amphenol Catalog Section covering the basic connector.
4. The Additional Contacts column of this guide is used to indicate an additional availability of contact designs for older cable types or capability. Consult Amphenol Aerospace for further information.

Coax Contacts CABLE USAGE GUIDE



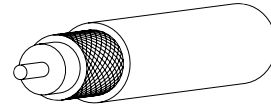
Cable Type	Nominal Impedance (ohms)	For Subminiature Cylindricals (MIL-DTL-38999 type)	For Standard & Heavy Duty Cylindricals (MIL-DTL-5015 type) (MIL-DTL-22992 type)	For Rectangular Connectors	Additional Contacts (Consult Amphenol)
RG-5B/U (M17/073-RG212)	50				•
RG-6A/U (M17/2-RG6)	75				•
RG-7/U	97				•
RG-9B/U (M17/075-RG214)	50				•
RG-11A/U (M17/6-RG11)	75				•
RG-12A/U (M17/6-RG12)	75				•
RG-13A/U	74				•
RG-21A/U	53				•
RG-55B/U (M17/084-RG223)	53		•	•	
RG-58C/U (M17/028-RG058)	50		•	•	
RG-58 (M17/155-00001)	50	•			
RG-59B/U (M17/29-RG59)	75		•		
RG-62A/U (M17/030-RG062)	93		•		
RG-62B/U	93		•		
RG-63B/U (M17/31-RG63)	125				•
RG-71B/U (M17/90-RG71)	93				•
RG-87A/U	50				•
RG-115/U	50				•
RG-115A/U	50				•
RG-116/U	50				•
RG-122/U (M17/054-RG122)	50			•	•
RG-133A/U (M17/100-RG133)	95				•
RG-140/U (M17/110-RG302)	75		•		
RG-141A/U	50		•	•	
RG-142A/U	50		•	•	•
RG-142B/U (M17/060-RG142)	50	•	•	•	•
RG-143A/U	50				•
RG-161/U	70	•	•		
RG-174A/U (M17/119-RG174)	50	•	•		
RG-178B/U (M17/093-RG178)	50	•	•		
RG-179B/U (M17/094-RG179)	75	•	•		
RG-180B/U (M17/095-RG180)	95	•	•	•	
RG-187A/U (M17/094-RG179)	75	•	•		
RG-188A/U (M17/113-RG316)	50	•	•		
RG-188 Double Braid	50				
RG-195A/U (M17/095-RG180)	95	•	•	•	
RG-195 Double Braid	95				
RG-196A/U (M17/169-00001)	50	•	•		
RG-210/U	93		•		
RG-212/U (M17/073-RG212)	50		•		•
RG-214/U (M17/075-RG214)	50				•
RG-216/U (M17/77-RG216)	75				•
RG-222/U	50				•
RG-223/U (M17/084-RG223)	50	•	•	•	
RG-225/U (M17/86-RG225)	50				•
RG-227/U	50				•
RG-302/U (M17/110-RG302)	75		•		

CHART CONTINUES ON NEXT PAGE

NOTE: For information on coax contacts for Miniature cylindrical connectors, MIL-DTL-26482 Series 1, see catalog 12-070 and consult Amphenol Industrial Operations.

NOTE: MIL-DTL-38999 supersedes MIL-C-38999.
MIL-DTL-5015 supersedes MIL-C-38999.
MIL-DTL-22992 supersedes MIL-C-22992

Cable Usage Guide, cont.



Coax Contacts CABLE USAGE GUIDE, cont.

Cable Type	Nominal Impedance (ohms)	For Subminiature Cylindricals (MIL-DTL-38999 type)	For Standard & Heavy Duty Cylindricals (MIL-DTL-5015 type) (MIL-DTL-22992 type)	For Rectangular Connectors	Additional Contacts (Consult Amphenol)
RG-303/U (M17/111-RG303)	50		•	•	
RG-304/U (M17/112-RG304)	50				•
RG-316/U (M17/113-RG316)	50	•	•		
RD-316 Double Braid (M17/152-00001)	50	•			
RG-400 (M17/128-RG400)	50	•			
M/A-COM 5M2869-001	50	•		•	
5022A1311-D	50	•			
Beldon 9307	50	•			
FA-19X	50	•			
T-Flex-402	50	•			
T-Flex-405	50	•			
Filotex ET124962	50	•			
JN1088WT (Triax)	50	•			
JN1088WU (Triax)	75	•			
PAN6422XQ	50	•			
PAN6422XY	75	•			
PAN6595XM (Triax)	75	•			
Haveg 51-04486		•			
81-00207		•			
Gore GWN1159A		•			
CXN3403		•			
Times AA3248		•			
Teledyne 11299		•			
Raychem 5021D1331-0	50	•			
5021D1331-9	50	•			
5022D1312-9	50	•			
7527A1318	75	•			
9527A1314	95	•			
9528A1318	95	•			
9530A5314	95	•			
9530D5314	95	•			
Thermatics 2929-29		•			
Tensolite 30850/87T-1		•			
Thermax 50C-25A-DS-1		•			

For Cable not found in the Coax Contact Cable Usage Guide, refer to these general dimensional ranges:
(In general, for D38999 Connectors, the size 8, 12 and 16 Coax Contacts will terminate cable in the following ranges)

SIZE 16

.012 / .0215 Center Conductor (Standed)
.031 / .066 Dielectric
.085 Max Outer braid (must be round for crimp termination)
.102 Max. Jacket

SIZE 12

.012 / .0215 Center Conductor (Standed)
.031 / .105 Dielectric
.126 Max Outer braid (must be round for crimp termination)
.145 Max. Jacket

SIZE 8

.012 / .0395 Center Conductor (Standed)
.055 / .133 Dielectric
.180 Max Outer braid (must be round for crimp termination)
.201 Max. Jacket

Special coax contacts may be available for cables outside of ranges shown. Consult Amphenol Aerospace for further assistance in selection of coax contact cables.