

Data Master[®] Aerospace Cable Quad Designs



- Lightweight for high speed airborne data applications
- Silver plated and silver plated alloy conductors with silver or tin plated copper braids
- 100 and 150 ohm impedance, 150°C and 200°C rated, tested to 1 GHz
- Supports Gigabit Ethernet, FDDI, USB, and 1394 standards
- Easy termination, non-shrinkback insulation, fits standard connectors

Physical Characteristics

Part Number	Conductor Diameter	Dielectric Diameter	Diameter over foil	Diameter over 1st braid	Diameter over 2nd braid	Cable Diameter	Temp. Rating	Weight (lbs/mft)
Q100-22(19)TT	.0295" SPC	.053"	-	.153" TPC	.169" TPC	.189"	150°C	29
Q100-24(19)TT	.0234" SPCA	.045"	.125"	-	.140" TPC	.161"	150°C	22
Q100-26(19)TT	.0187" SPCA	.038"	.105"	-	.120" TPC	.137"	150°C	18
Q150-22(19)FT	.0295" SPC	.085"	.238"	-	.254" TPC	.274"	105°C	45
Q150-24(19)FT	.0234" SPCA	.072"	.190"	-	.206" TPC	.226"	105°C	33
Q150-26(19)FT	.0187" SPCA	.054"	.148"	-	.164" TPC	.184"	105°C	22
Q150-22(19)SS	.0295" SPC	.085"	-	.263" SPC	.279" SPC	.299"	200°C	57
Q150-24(19)SS	.0234" SPCA	.072"	-	.211" SPC	.227" SPC	.247"	200°C	43
Q150-26(19)SS	.0187" SPCA	.054"	-	.160" SPC	.176" SPC	.196"	200°C	28
Q150-24(19)KT	.0234" SPCA	.072"	.190"	-	.206" SPC	.226"	200°C	33

Electrical Characteristics

Part Number	Impedance (ohms)	Cap. (pF/ft)	Attenuation (dB/100 ft) @					
			10 MHz Typ/Max	100 MHz Typ/Max	250 MHz Typ/Max	531 MHz Typ/Max	750 MHz Typ/Max	1062 MHz Typ/Max
Q100-22(19)TT	100	12.7	1.7/2.0	4.9/5.3	7.5/8.3	12.2/12.8	15.5/16.5	19.0/20.4
Q100-24(19)TT	100	12.7	2.3/2.7	8.0/9.2	11.4/13.1	20.5/23.6	27.7/31.9	36.5/42.0
Q100-26(19)TT	100	12.7	2.8/3.2	9.6/11.0	13.7/15.8	24.6/28.3	33.3/38.3	43.8/50.3
Q150-22(19)FT	150	8.5	1.1/1.4	3.1/3.6	4.9/5.6	7.5/8.6	10.0/11.5	12.0/13.8
Q150-24(19)FT	150	8.5	1.5/1.9	4.5/5.5	7.1/8.2	11.2/12.9	14.2/16.4	17.2/19.8
Q150-26(19)FT	150	8.5	1.7/1.9	5.8/6.4	8.7/9.6	13.8/15.2	17.8/19.6	21.0/23.1
Q150-22(19)SS	150	8.5	1.1/1.4	3.1/3.6	4.9/5.6	7.5/8.6	10.0/11.5	12.0/13.8
Q150-24(19)SS	150	8.5	1.5/1.9	4.5/5.5	7.1/8.2	11.2/12.9	14.2/16.4	17.2/19.8
Q150-26(19)SS	150	8.5	1.7/1.9	5.8/6.4	8.7/9.6	13.8/15.2	17.8/19.6	21.0/23.1
Q150-24(19)KT	150	8.5	1.5/1.9	4.5/5.5	7.1/8.2	11.2/12.9	14.2/16.4	17.2/19.8

Additional constructions available - check with the factory for details
All figures referenced are nominal