

*Engineering Note*

**SUBJECT: CICOIL CLEAN ROOM CABLES**

CICOIL cables manufactured as of 11/1998 are suitable for use in class 1 to 100,000 clean room environments. No particulates are generated from CICOIL cables during use in static or dynamic applications.

Product type:	CICOIL Ultraflex cables
Product family:	Flat and round cables using Flexx-Sil and 700X jacket
Effectivity:	CICOIL cable manufactured since 11/1998
Applicable standard:	ISO 14644-1 (ISO 3 - 8)
Applicable standard:	FED STD 209E
Verification detail:	Optical Particle counter and logging Time duration testing = 120 minutes Static and *dynamic specimen testing *Dynamic speed testing velocities varied from 0.2 to 10 ft./min.
Air flow verification:	Airflow volume control baseline verified Air velocity control baseline verified Unidirectional flow area baseline verified Room air exchange rates baseline verified HEPA filter integrity verified Temperature / relative humidity baseline verified

DATA:



Static/Dynamic	Particle	
	SIZE µm	COUNT Particles/cu-ft.
Static	5.0	0
Dynamic (0.2-10ft/min)	5.0	0
Static	1.0	0
Dynamic (0.2-10ft/min)	1.0	0
Static	0.5	0
Dynamic (0.2-10ft/min)	0.5	0
Static	0.3	0
Dynamic (0.2-10ft/min)	0.3	0
Static	0.2	0
Dynamic (0.2-10ft/min)	0.2	0
Static	0.1	0
Dynamic (0.2-10ft/min)	0.1	0