



DWG. NO.  
JBXFD1G05MSSDSMRC

ELECTRICAL:

EMI SHIELDING :	SHIELDED FOR THE RANGE 55dB UP TO 100MHz
INSULATION RESISTANCE :	>500M $\Omega$ PER ANSI-EIA-364-D METHOD 21
MAX. CURRENT RATING :	(SEE TABLE 1) MAXIMUM CURRENT THAT CAN BE APPLIED SIMULTANEOUSLY ON EACH LINE OF THE CONNECTOR MATED PAIR, CONTINUOUSLY DURING ITS LIFE TIME IN NORMAL CLIMATIC CONDITIONS.
CONNECTOR TESTING : VOLTAGE	1400Vrms TEST VOLTAGE IS APPROXIMATELY 75% OF THE DWV VOLTAGE AT NORMAL CLIMATIC CONDITIONS. THIS VOLTAGE CAN BE ACHIEVED SEVERAL TIMES, BUT NOT APPLIED CONTINUOUSLY.
CONNECTOR WORKING : VOLTAGE	660/460 (Vdc/ Vrms) WORKING VOLTAGE IS APPROXIMATELY 1/3 OF THE TEST VOLTAGE. THIS VOLTAGE IS SUSTAINABLE FOR THE LIFE OF THE CONNECTOR IN ITS WORKING ENVIRONMENT.

PHYSICAL:

MAXIMUM WIRE SIZE USED : 24 AWG

CABLE DIAMETER WITH PLASTIC : Ø2.0 mm MIN.  
COLLET SET SUPPLIED TO Ø7.5 mm MAX.

## ENVIRONMENTAL:

ENDURANCE:	1000 CYCLES AS PER MIL-STD 1344A, METHOD 2016.1
SHOCK:	50 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1
VIBRATIONS:	10 TO 2000Hz <b>γ</b> = 15g, AS PER MIL-STD 1344A, METHOD 2005.1
PROTECTION INDEX:	IP 40 AS PER CEI 529
OPERATING TEMPERATURE: WITH PLASTIC COLLETS:	-55°C TO +125°C (-67°F TO +257°F)
WITH OPTIONAL METALLIC COLLETS: (ONLY ON REQUEST)	-55°C TO +200°C (-67°F TO +392°F)

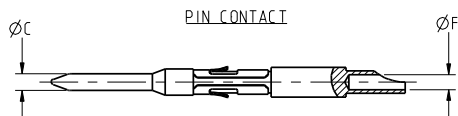







TABLE 1

CONTACT		USABLE CABLES		AWG	MAX. CURRENT RATING (A)	CONTACT RESISTANCE (mΩ)
ØC	ØF	CORE SECTION (mm <sup>2</sup> )				
		MIN.	MAX.			
0.9	0.8	-	0.21	24	10	3.5

LINEAR MEASURE:		 (INCH)	 (MM)
THIRD ANGLE PROJECTION			
			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
WHOLE No.	±0.5 (±.010)		
ONE PLACE	±0.2 (±.008)		
TWO PLACES	±0.1 (±.005)		
ANGLES ±1°			

DRAWING TITLE			
<b>JBX, SIZE 1, 5 POSITION, MALE STRAIGHT PLUG</b>			
CAT NO.			
<b>JBXFDIG05MSSDSMR</b>			
CAGE NO: 09922	SIZE: C		
<b>CUSTOMER</b>	 <b>SOURIAU</b> Connection Technology	APPROVAL	DRAWN: RKO 12-18-10 CHKD : TW 12-18-10 DSGN : xxx mm-dd-yy MFG : DH 12-18-10 QC : DK 12-18-10
		DRAWING SCALE: 4:1	
		DRAWING NO.	REV
		<b>JBXFDIG05MSSDSMR</b>	<b>A</b>
		2 OF 2	