

* NOTE: THE OVERALL LENGTH IS MEASURED FROM PIN TIP (25 PIN) TO PIN TIP (9 PIN) OF THE CABLE.	
Use whatever length is necessary for the internal wiring of the connectors and strip length to achieve the correct overall length	ı.

NOTES: ( UNLESS OTHERWISE SPECIFIED )

1. MATERIAL: a. CONNECTOR SHELL - PEEK VICTREX GRADE TDS-450G.

- b. BACKSHELL STAINLESS STEEL WITH VENT HOLE. C. CONTACTS. BEYLLIUM COPPER ALLOY C17300 0.000055 MIN: GOLD OVER NICKEL d. HARDWARE: CORROSION RESIANCE STEEL, PASSIVATED e. PEEK BRAID PEEK VICTIEX GRADE IDS-450CA30 CARBON LOADED
- CABLE 9 COND. 28 AWG, (40 STRD 44 AWG) WITH 2 LAYERS OF KAPTON TAPE
   4 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + SHIELD WIRE (WIRES DOUBLED UP) (4 WIRES PER TWISTED PAIR)
   OVERALL ADAWG SILVER PLAITE COPPER BRAID 90% COVERAGE
   OVERALL PEEK BRAID MINI. 50% COVERAGE
   OVERALL CABLE C.D. WILL BE APPROX. 0.240 IN.

N 1	V25AC - V-DB25 M/S1-IBD-4_MM4PIN F/S							
	STANDARD USE FOR THIS CABLE							
BLE CONNECTION THE CTOR IS SHOWN IN	SUBSYSTEM	AIR/VAC	STANDARD USE					
	ISC	IN-VAC	PICOMOTORS (WITH DOUBLE WIRES)					

	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		7/////	CALIFORNIA INSTITUTE OF TEC	UNIOLOGY	PART NAME					
DIMENSIONS ARE IN	INTERPRET DRAWING PER ASME Y14.5-1994.     REMOVE ALL SHARP EDGES, .005015. FOR MACH EDGES APPROXIMATI FY R 02 FOR SHEFT METAL PAR	2. REMOVE ALL SHARP EDGES005015. FOR MACHINED PARTS. ROUND ALL		MASSACHUSETTS INSTITUTE OF	CUSTOM CABLE SPECIFICATION V25AC						
TOLERANCES:	ICES: 3. DO NOT SCALE FROM DRAWING.		SYSTEM			DESIGNER	R.ABBOTT	FEB/11/2011	SIZE	DWG. NO.	REV.
.XX ± .XXX ±	<ol> <li>ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC AND FREE OF SULFUR, SILICONE, AND CHLORINE.</li> </ol>	<ol> <li>ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.</li> </ol>			ISC	DRAFTER	EBROWN	FEB/11/2011	F	D1000238	\/1
	MATERIAL	FINISH	NEXT ASSY	•		CHECKER			1 - 1	D1000230	V I
ANGULAR± *	Material <not specified=""></not>	l uinch	n l			APPROVAL			SCALE	E. 3.1 DROJECTION. A T S	HEET LOE 1

WIRES DOUBLED UP 2 WIRES PER CONNECTION