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ITEM NO.	DESCRIPTION	MATERIAL	REMARKS
1	SPE M12 MALE PIN DIA 1mm	COPPER ALLOY	GOLD PLATED
2	SPE M12 MALE PIN DIA 0.5mm	COPPER ALLOY	GOLD PLATED
3	SPE M12 CENTER FEMALE PIN, DIA 0.5mm	COPPER ALLOY	GOLD PLATED
4	SPE M12 TYPE II MALE HOUSING	PA	BLACK
5	SPE M12 MALE DATA INSERT	PA	BLACK
6	SPE M12 MALE DATA SHIELDING	BRONZE	NICKEL PLATED
7	M12 L CODE CORDSET FEMALE SCREW NUT	BRASS	NICKEL PLATED
8	SPE M12 OVERMOLDING	TPU	BLACK
9	SPE M12 FEMALE PIN, DIA 1	COPPER ALLOY	GOLD PLATED
10	SPE M12 FEMALE PIN, DIA 0.5	COPPER ALLOY	GOLD PLATED
11	SPE M12 CENTER MALE PIN, DIA 0.5mm	COPPER ALLOY	GOLD PLATED
12	SPE M12 TYPE II FEMALE HOUSING	PA	BLACK
13	SPE M12 FEMALE DATA INSERT	PA	BLACK
14	SPE M12 FEMALE DATA SHIELDING	BRONZE	NICKEL PLATED
15	M12 L CODE CORDSET FEMALE SCREW NUT	BRASS	NICKEL PLATED
16	SPE M12 OVERMOLDING	TPU	BLACK
17	SPE M12 HYBRID SHIELDED CABLE	PUR	BLACK
18	LABEL	-	-

TABLE I	
TECHNICAL DATA	2423443-X
RATED VOLTAGE	≤63VDC/50VAC
RATED CURRENT	8A(POWER CONTACT) 1A(SIGNAL CONTACT)
OVERVOLTAGE CATEGORY	III
MATERIAL GROUP	I
DEGREE OF PROTECTION	IP67
TEMPERATURE RATING	-40°C TO +85°C

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		INITIAL RELEASE	16NOV2022	HH	CW
B		ECR-25-262181	18NOV2025	HH	CW

1. TECHNICAL DATA: SEE TABLE I
 2. TE LOGO AREA.
 3. RECOMMENDED TORQUE: 0.6Nm
 4. REFER TABLE FOR LENGTH "L".
 5. 100% OPEN AND SHORT CIRCUIT TEST
 6. CABLE ASSEMBLY TO BE PACKED IN POLYBAGS
 7. PRODUCT COMPLIES WITH IEC 63171-7
 8. LABEL CONTAINS PN AND DATE CODE

0m to 1m:	±0.05m
1m to 3m:	±0.1m
>3m:	±1.5%

SCALE 1:1

PIN ARRANGEMENT		
MALE CONNECTOR	CIRCUIT DIAGRAM	FEMALE CONNECTOR

HYBRID POWER AND SPE DATA CABLE WIRE: 26AWG(1 TWISTED PAIR)+ 16AWG(4 CONDUCTOR POWER) OD: APPROX. 9.5mm	15M	BLACK	PUR	SPE M12 HYBRID TYPE II CABLE ASSEMBLY, MALE TO FEMALE, SHIELDED	SPE-M12-MS-FS-7CON-PUR-***SH 7	2423443-9
	10M					2423443-8
	7M					2423443-7
	5M					2423443-6
	3M					2423443-5
	2M					2423443-4
	1.5M					2423443-3
	1M					2423443-2
CABLE CHARACTERISTICS	LENGTH "L" 4	JACKET COLOR	JACKET MATERIAL	DESCRIPTION	TYPE	POS. PART NUMBER
	0.5M					2423443-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	03AUG2022	TE Connectivity	SPE M12 HYBRID TYPE II CABLE ASSEMBLY, MALE TO FEMALE, SHIELDED
DIMENSIONS: mm		CHK	03AUG2022		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	03AUG2022		
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH -		NAME	WANG CHRIS		
MATERIAL		PRODUCT SPEC	108-94895	SIZE	A2
		APPLICATION SPEC	114-137144	CAGE CODE	00779
		WEIGHT	-	DRAWING NO	C-2423443
		CUSTOMER DRAWING		RESTRICTED TO	-
		SCALE	2:1	SHEET	1 OF 1
		REV	B		

1471-9 (3/13)