WIRE ID	COLOR	STRANDING	CONDUCTOR DIAMETER	INSULATION MATERIAL	PRIMARY INSULATION THICKNESS	SECONDARY INSULATION THICKNESS	OVERALL WIRE OD
1	YELLOW	22AWG, 7/30	.782mm	PVC	0.4mm	0.12mm	1.836mm
2	BLUE	22AWG, 7/30	.782mm	PVC	0.4mm	0.12mm	1.836mm
3	WHITE	22AWG, 7/30	.782mm	PVC	0.4mm	0.12mm	1.836mm
4	ORANGE	22AWG, 7/30	.782mm	PVC	0.4mm	0.12mm	1.836mm
5	GREEN	22AWG, 7/30	.782mm	PVC	0.4mm	0.12mm	1.836mm

FOR BILL OF MATERIALS, REFER TO ITEM IN TESLA MATERIAL PLM TOOL.
THE ITEM LIST ON THIS DRAWING IS PROVIDED FOR REFERENCE ONLY.

ITEM/QTY	DATE	PART NUMBER	DEFINITION	MANUFACTURER	MFG PART NUMBER
1	1	1108878-01-A	SHLD, MULTICORE, EXTERNAL, PW 2.0, SSTR		

SPECIAL NOTES:

A: TWISTED PAIR DETAIL:
- THE PVC TWISTED PAIR SHALL BE WRAPPED IN AN ALUMINUM/MYLAR SHIELD WITH THE FOIL SIDE FACING INWARD
- THE DRAIN WIRE SHALL BE 22AWG TINNED COPPER

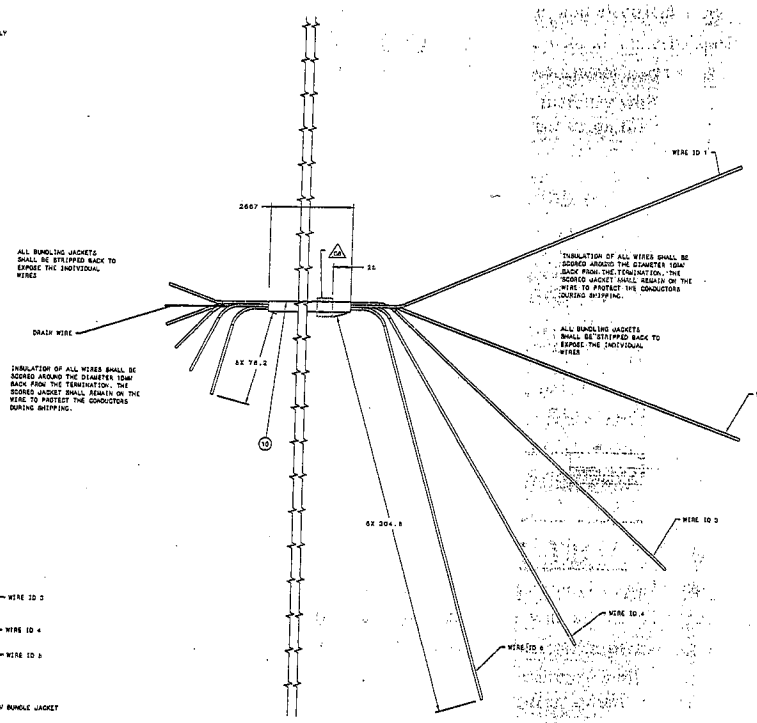
B: LAY LENGTH
- THE MANUFACTURER SHALL DETERMINE LAY LENGTHS FOR ALL WIRES THAT PREVENT BACKTWIST IN THE CABLE ASSEMBLY
- THE LAY LENGTHS SHALL NEITHER PRODUCE CONVOLUTIONS NOR JEOPARDIZE WIRE STRAIGHTNESS

C: LV BUNDLE
- THE LV BUNDLE SHALL HOUSE ALL 22AWG CONDUCTORS
- THE LV BUNDLE JACKET SHALL BE MADE FROM PVC
- THE NOMINAL THICKNESS OF THE JACKET SHALL BE 0.81MM
- THE JACKET FINISH SHALL BE MATTE BLACK

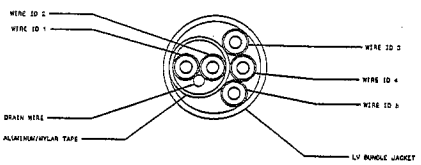
D: CABLE FILLER:
- THE CABLE BODY SHALL BE FILLED TO ACHIEVE A ROUND SHAPE
- THE FILLER SHALL BE MADE FROM A NON-HYGROSCOPIC POLYPROPYLENE

E: PERFORMANCE:
- TEMPERATURE RANGE: -40C TO 90C
- MAX OPERATING VOLTAGE: 600V
- 90C WET/DRY

F: COMPLIANCE:
- NEC NFPA 70, CC, UL, CUL/CSA COMPLIANT FOR THE FOLLOWING CHARACTERISTICS
  - VOLTAGE
  - INSULATION THICKNESS
  - WIRE COLOR
  - FLAMMABILITY
  - OUTDOOR ENVIRONMENTAL PROTECTION
- ROHS COMPLIANT



Front view



Cable Section Cut-
Scale: 8:1

Project: SSTR

DATE	REV	DESCRIPTION	DRW [APP]
09/21/22	01	RELEASED FOR RELEASE	YI

PERFORMANCE SPECIFICATIONS

REGULATORY COMPLIANCE

GENERAL NOTES

DIMENSIONAL NOTES

MATERIAL SPECIFICATIONS

PART FILE NAME	PART FILE VERSION
1108878-00-A	01
ENGINEER	DRAWN BY
N/A	N/A
TOLERANCE PRIMARY	SCALE
1:1	SIZE D

ADV_CABLE_MULTICORE_EXTERNAL_PW 2.0_SSTR

ITEM NUMBER	REVISION	SHEET
1108878-00-A	01	1 of 1

ORIGINAL RELEASE LEVEL: A (01)