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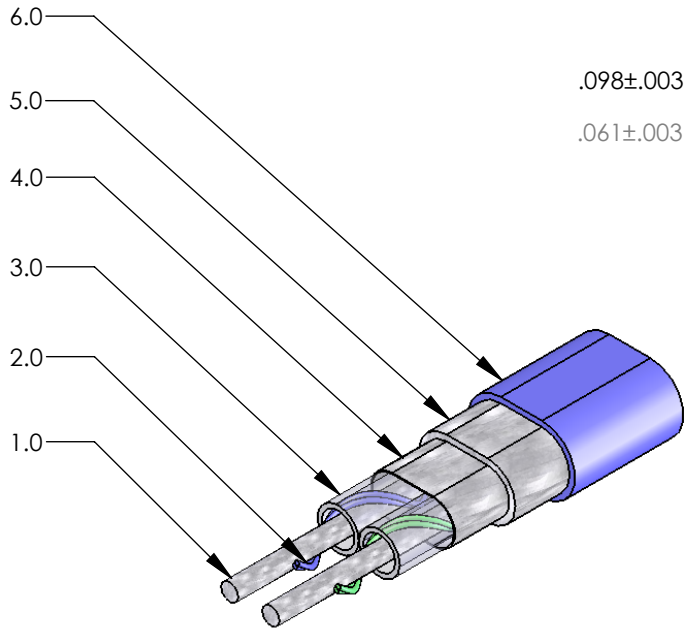
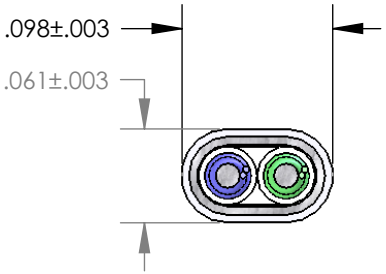
REV	DESCRIPTION	DATE	INITIAL





SPECIFICATIONS

1.0 SIGNAL CONDUCTOR:
SIZE: 26 AWG
MATERIAL: SOLID SILVER PLATED COPPER
OD (NOM.): ∅.0159

2.0 INSULATION:
FILAMENT(NOM): 4@PFA, .0043
COLOR: 1. BLUE 2. GREEN

CORE TUBE(NOM): .004 WALL, ∅.038
MATERIAL: FEP

4.0 FOIL SHIELD:
SIZE(NOM): .00035" ALUMINUM/.001" POLYPROPYLENE TAPE WRAP, ALUMINUM SIDE OUT

5.0 SERVED SHIELD:
SIZE: 38 AWG, ∅.088 NOM.
MATERIAL: SILVER PLATED COPPER

6.0 JACKET:
MATERIAL: FEP
WALL THICKNESS (NOM.) .005"
OD: .098"±.003 X .061"±.003
COLOR: BLUE

7.0 ELECTRICAL CHARACTERISTICS:
DIFFERENTIAL IMPEDANCE: 100 ohms ± 5 ohms
CAPACITANCE(NOM): 12.0 pF/ft
PROPAGATION DELAY: 1.15±.01 ns/ft
WITHIN PAIR SKEW: <5 Ps/FT

TEMPERATURE RATING: -20° C TO 105° C

SPECIAL NOTES: SPOOL OD: 12"MAX
SPOOL WIDTH: 9"MAX
SPINDLE DIA: 1-1/2"±.25"

JOY SIGNAL CATALOG CODE: 51

ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	QTY REQD

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
.XX : ±.01
.XXX : ±.005

MATERIAL: SEE NOTES
FINISH: --

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	VW	10/31/5
CHECKED	LM	11/14/5
RESP ENG		
MFG ENG		
QUAL ENG	LM	10/31/5

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING

JOY SIGNAL TECHNOLOGY
A Maxtec Company

TWINAX, 100 OHM, 26AWG,
FEP JACKET,
FILAMENT INSULATION

SIZE	DWG. NO.	REV.
A	790174	1
SCALE	CAD FILE: 790174	SHEET 1 OF 1