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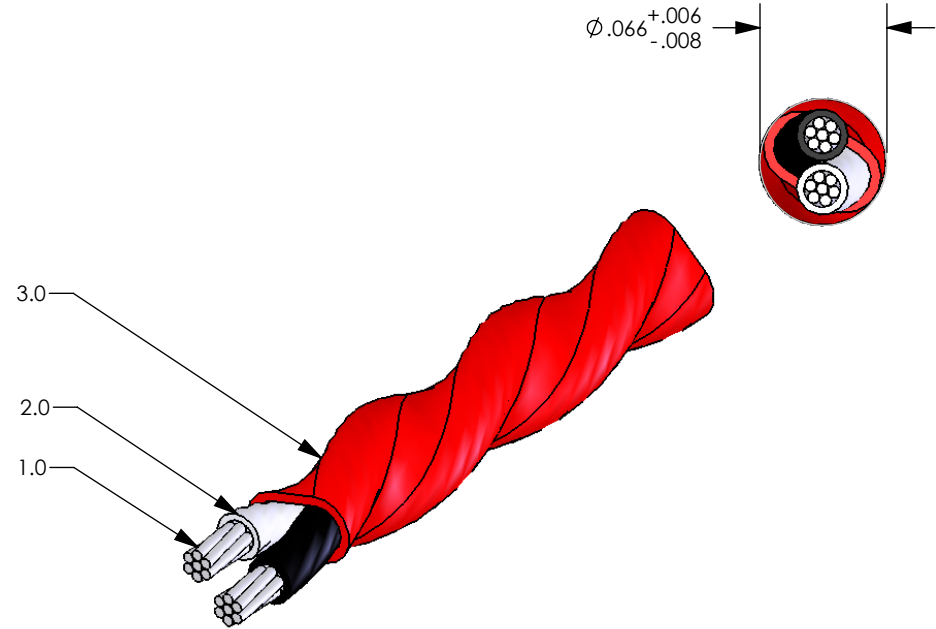
REV	DESCRIPTION	DATE	INITIAL

SPECIFICATIONS

- 1.0 SIGNAL CONDUCTOR:
 SIZE: 26 AWG
 MATERIAL: SILVER PLATED COPPER
 CONSTRUCTION: 7 X 34
 OD (NOM.): .019"
- 2.0 INSULATION:
 MATERIAL: EXTRUDED PTFE OR EQUIVALENT
 WALL THICKNESS (NOM): .004"
 OD: .027" ±.002
 COLOR: 1. WHITE 2. BLACK
- 3.0 JACKET:
 MATERIAL: EXTRUDED FEP
 WALL THICKNESS (NOM.) .006"
 OD: .066" +.006/-.008
 COLOR: RED
- 4.0 CABLE:
 CABLE LAYUP: 2 INSULATED CONDUCTORS ARE CABLED TOGETHER
- 5.0 ELECTRICAL CHARACTERISTICS:
 IMPEDANCE: 100 ohms ±10 ohms
 CAPACITANCE: (MAX) 16.2 pF/ft
 VELOCITY OF PROPAGATION (NOM): 70%
 DIELECTRIC WITHSTANDING VOLTAGE: 500V RMS @ 60Hz MIN
- 6.0 TEMPERATURE OPERATING RANGE: -40°C TO +200°C

 2 TWISTS PER INCH (APPROX)

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



JOY SIGNAL CATALOG CODE: 42

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 Angles ±.5°		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		
.XX : ±0.01 .XXX: ±0.005 Fin:		APPROVALS DATE		
MATERIAL SEE NOTES		DRAWN VW	1/12/06	
FINISH --		CHECKED MV	8/30/06	
NEXT ASSY	USED ON	RESP ENG	MFG ENG	
APPLICATION		QUAL ENG LM	1/12/06	
DO NOT SCALE DRAWING		SCALE	DWG. NO. 790049	REV. 01
		CAD FILE: 790049	SHEET 1	OF 1



TWISTED PAIR, JACKETED, 100 OHM
EXTRUDED FEP JACKET,
EXTRUDED PTFE INSULATION

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