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REVISIONS					
ZONE	REV.	DESCRIPTION	ECO	DATE	APPROVED
	02	ADDED PROP DELAY AND ENGLISH UNITS		10/24/2008	ST
	03	ADDED CATALOG CODE 14	210068	8/22/2023	DW

**SPECIFICATIONS**

**1.0 SIGNAL CONDUCTOR:**

SIZE: 30 AWG  
MATERIAL: SILVER PLATED COPPER  
CONSTRUCTION: 7 X 38  
OD (NOM.): .012"

**2.0 INSULATION:**

MATERIAL: FLUOROCARBON POLYMER  
WALL THICKNESS: .0113" (AVG)  
OD(NOM): .035"

**3.0 SHIELD:**

SIZE: 44 AWG  
MATERIAL: TINNED COPPER  
COVERAGE (MIN.): 92%

**4.0 JACKET:**

MATERIAL: FEP  
WALL THICKNESS (AVG): .005"  
OD(NOM): .052"  
COLOR: BLACK

**5.0 ELECTRICAL CHARACTERISTICS:**

IMPEDANCE: 50 ohms ± 2 ohms

PROPAGATION DELAY: 1.45 ns/ft

CAPACITANCE: 28.95 pf/ft @ 1KHz (95 pf/M)

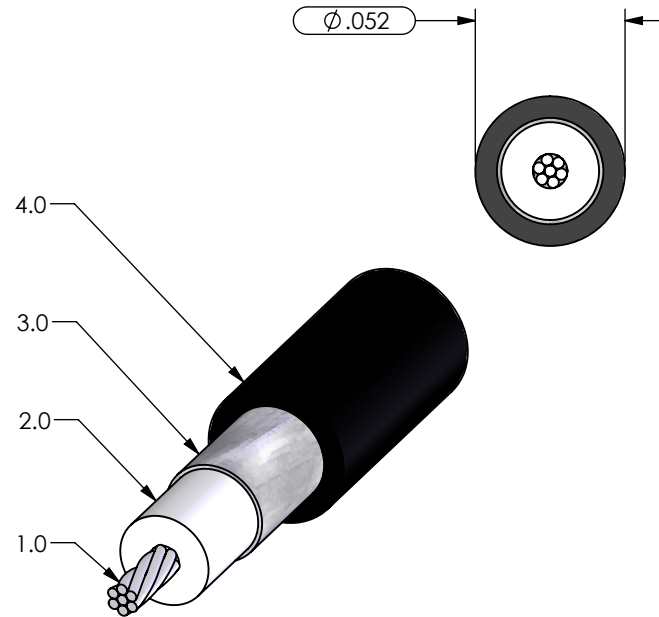
CONDUCTOR DC RESISTANCE: 99.4 ohms/kft @ 20°C (326 ohm/km)

VOLTAGE RATING: 30V


DIELECTRIC STRENGTH: 500VAC FOR 1 min.

**6.0 TEMPERATURE OPERATING RANGE: -40°C TO +105°C**

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



JOY SIGNAL CATALOG CODE: 14

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES .XX : ±.01 .XXX : ±.005	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE				
	APPROVALS	DATE			
	MATERIAL	SEE NOTES	DRAWN	VW	02/14/07
	FINISH	--	CHECKED		
DO NOT SCALE DRAWING		RESP ENG	MV	02/14/07	
		MFG ENG			
		QUAL ENG			
	SCALE	DWG. NO.	790363	REV. 03	
		CAD FILE:	790363	SHEET 1 OF 1	

COAX, 50 OHM, 30AWG, FEP JACKET, FLUOROCARBON POLYMER INSULATION

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