TEMP-FLEX	TITLE	PART No.	REV	PAGE
a molex company	Low Loss Microwave Coax, 29 AWG	1000670027	8	1 of 1
		– Signal Conductor		
1.42+/-0.076mm (0.056+/-0.003'')		Insulation Inner Shield Braid Shield Jacket		

CONSTRUCTION

Signal Conductor: 0.0113"+/-0.0001" (0.287+/-0.0025mm), Silver Plated Copper per ASTM B-298 Insulation: FEP per applicable paragraph MIL-DTL-17, 0.0363"+/-0.001" (0.92+/-0.025mm) OD Inner Shield: Helically Overlapped Flat Silver Plated Copper per ASTM B-298 Braid Shield: 46 AWG Silver Plated Copper per ASTM B-298, >89% Coverage Ref. Overall Shield Diameter: 0.046"+/-0.002 (1.168+/-0.05mm) Jacket: FEP in accordance with MIL-DTL-17, Type IX Wall Thickness: 0.005" (0.127mm) Color: Blue

ELECTRICAL

Impedance: 50+/-1 ohms Velocity Of Propagation: 70% Ref. Capacitance: 29 pF/ft (95 pF/m) Ref.

GENERAL

Temperature Rating: -65C to 165C (200C Static) Ref. Static Bend Radius: 0.2" (5.0mm) Ref. Dynamic Bend Radius: 0.4" (10.0mm) Ref. Weight: 3.5 lbs/1000ft Ref.

Freq (GHz)	Attenuation (dB/100 ft)	Avg Power (W)
0.5	25	61
1	35	43
2	52	30
4	80	20
8	120	13
12	140	10
18	180	8



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Rev	DCR	Description		Date
7	4600	Update Spec Format.	KP	8/18/15
8	4650	Update to New SAP P/N.	KP	9/8/15

Address: 26 Milford Road, South Grafton, MA 01560 Phone: (508)-839-5987 Fax: (508)-839-4128