


Coax 0.085" Re-Flex Hand-Formable VS. SEMI-RIGID Cable Comparison

TYPE	SEMI RIGID M17/133-00003	Typical Conformable cable (HAND FORMABLE)	IW Re-Flex™ RF085
	Bending By Machine Only 	- Shield dipped INSOLDER, causing cracks and breaks near the plugs - Requires Larger Bend Radius 	- SHIELD Is Tin Plated - double Shield - Lower IL - Smaller Bend Radius -Thousands of Bending Cycles 
Conductor Stranding	Solid	Solid	Solid
Nom. Dia. of Cond.	0.0201	0.0201	0.020
Dielectric (in)	0.066	N/A	0.064
Nom. O.D. (in)	0.087	0.085	0.085
Nom. Imp. (ohm)	50	50	50
Vel. of Prop. (%)	69.5	69.5	70
Nom. Cap. (pF/ft.)	29.4	29.5	29

Atten. dB/100ft. @ 10 GHz	80.0	82.9	69.0
Bend Radius (in.)	0.125"	0.250"	0.125"
Approx. LBS/MFT	15.7	11.3	10.8
Cond. Material	Silver-Coated Copper	Silver plated Copper	Silver plated Copper
Dielectric Material	Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene (PTFE) (applied as a laminate)
Shield Material	Tinned Copper Tube	Tin Dipped Braid (Subject to Cracking and Breaking During Bending)	Silver Plated Copper Foil under 40AWG-10 Tin Plated Braid
Shield	Overall Shield	Overall Shield	Double shield: 38% foil overlap >98% braid coverage
Min. Temp	-40°C	-55°C	-65°C
Max. Temp	125°C	125°C	165°C