



Re-Flex™ Products

To provide improved electrical and mechanical performance over traditional hand-formable designs, Insulated Wire presents Re-Flex™.

Available in 0.085", 0.141" and 0.235" diameters (identified as RF085, RF141 and RF250), IW's RF cable series offers the advantages of the same lamination process used on our Low Loss products. Combined with the same double shield construction plus a solder-free tin/alloy plated outer braid, the Re-Flex™ design provides a re-formable cable that will not develop micro-fractures with repeated flexing, eliminating manufacturability issues associated with conformable style RG cables.

Both RF085 and RF141 are industry standard line sizes, consequently a wide range of connector types and styles can be used with these cables, including:

SMA, TNC, N, GPO™, GPPO™, 2.92mm/K™, 2.4mm and 1.85mm/V™, with performance up to 60GHz. RF250 is commonly used for higher power applications with SMA, TNC, N, SC and HN connectors available.

Re-Flex™ assemblies can be employed wherever a semi-rigid or conformable cable type is currently used, and with FEP™ jacket available as a standard option, Re-Flex™ provides greater versatility. Cable part numbers are TPRFEP085, TPRFEP141 and TPRFEP250. **Just ask our customers.**



Re-Flex™ Cable - Key Performance Parameters

Cable Type	Maximum Frequency (cable only)	Attenuation (dB/ft., max)				Bend Radius (inch)	Replaces
		10 GHz	18 GHz	32 GHz	60 GHz		
RF085	62 GHz	0.60	0.91	1.28	2.01	0.125	RG405
RF141	34 GHz	0.41	0.60	0.88	-	0.250	RG402
RF250	19.5 GHz	0.29	0.44	-	-	0.375	RG401

Re-Flex™ Cable - Availability

Cable Type	AMS-DTL-23053 Jacket Available	FEP Jacket Available	Distribution Stock
RF085	Yes	Yes	SMA (m) to SMA (m) direct solder, 3" and up
RF141	Yes	Yes	SMA (m) to SMA (m) direct solder, 3" and up SMA (m) to SMA (m) shell style, 2" and up
RF250	Yes	Yes	-