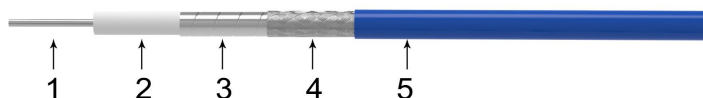


Features & Benefits

- Superior alternative to semi-flexible cable
- Alternative to Times TFLEX-405,2,H+S Multiflex 86
- Highly competitive pricing
- Applicable to 40GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.51	Silver plated copper
2	Dielectric	1.63	Solid PTFE
3	Outer Conductor	1.79	Silver plated copper tape wrap
4	Outer Shield	2.16	Silver plated copper wire braid
5	Jacket	2.80	FEP(*PUR Option)

*P/N as SP280PU with PUR jacket ,operating -55 - +85 °C



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1000 V

Mechanical & Environmental

Min.Bending Radius Static	14mm
Min. Bending Radius Repeated	28mm
Weight	22g/m
Temperature(Operation)	-55~125 °C
Temperature(Storage)	-65~125 °C

Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 Meter	37.0	69.3	100.3	146.5	183.7	216.4	246.1	273.7	299.7	348.2	440.8	570.9
Avg.Power kW	0.187	0.100	0.069	0.047	0.038	0.032	0.028	0.025	0.023	0.020	0.016	0.012

Attenuation at any frequency=[2.066929×SQRT(FMHz)]+[0.003937×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
SP280	SMA(Clamp)	Male	Straight	Standard	26.5	1.3
SP280	SMA(Direct solder)	Male	Straight	Standard	18	1.3
SP280	N	Male	Straight	Standard	18	1.3
SP280	2.92	Male	Straight	Standard	40	1.3
SP280	2.92	Female	Straight	Standard	40	1.35
SP280	SMP	Female	Straight	Standard	40	1.45
SP280	SMPM	Female	Straight	Standard	40	1.45
SP280	SMP	Female	Right angle	Standard	26.5	1.45
SP280	SMPM	Female	Right angle	Standard	26.5	1.45

Note: SP280 is available in both direct solder and clamp type SMA/2.92mm connectors.

Other connectors available upon request.