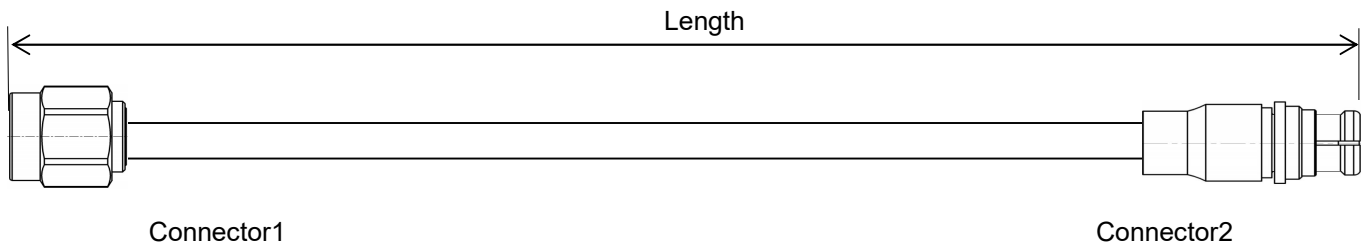


086" High Density Flexible Cable Assembly, Using Tight Bend BM260L

DC-40 GHz, 2.92mm Male to SMP Female

BM260L-292MSMPF-L(L:Length)

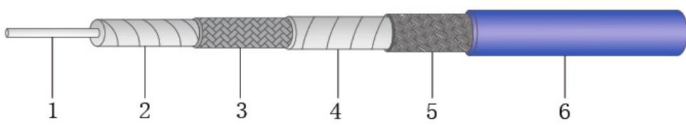


- Length can be in meter or in inch etc, e.g, BM260L-292MSMPF-L. Standard length tolerance: $\pm 1.5\%$ or $\pm 5\text{mm}$ whichever is greater. Custom lengths and other connector types available.
- Length is measured from one connector end to the other connector end as shown above.

Configuration

Connector 1	2.92mm male	Connector 2	SMP female
Body	Passivated stainless steel	Body	Gold plated BeCu
Center Contact	Gold plated BeCu	Center Contact	Gold plated BeCu
Cable Type	BM260L		

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	0.56	Silver plated copper
2	Dielectric	1.70	Low density PTFE
3	Outer conductor	1.85	Silver plated copper wire braiding
4	Middle layer	1.98	Aluminum foil
5	Outer shield	2.24	Stainless steel wire
6	Jacket	2.64	FEP



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
*VSWR Max	1.45
*IL Max(0.1 meter assembly)	1.04dB
**Mechanical Phase Stability	$< \pm 6^\circ$
Amplitude Stability vs Shaking	$< \pm 0.15\text{dB}$

* The VSWR and IL include the loss and reflection contributions from the SMP adapters used during testing.

** Wrapped 360° around a 22mm radius mandrel.

Mechanical & Environmental

Min. Bending Radius Static 360°	10.5mm
Min. Bending Radius Repeated	26mm
Velocity of Propagation	75%
Temperature(Operation)	$-50 \sim 125^\circ\text{C}$
Temperature(Storage)	$-60 \sim 125^\circ\text{C}$

086" High Density Flexible Cable Assembly, Using Tight Bend BM260L

DC-40 GHz, 2.92mm Male to SMP Female

BM260L-292MSMPF-L(L:Length)

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

Frequency MHz	300	1000	2000	4000	6000	9200	10000	12400	18000	26500	40000	50000
dB/100 Meter	32.6	60.1	85.8	122.8	151.9	190.4	199.0	223.2	272.9	337.2	424.0	480.9
Avg.Power kW	0.500	0.271	0.190	0.133	0.107	0.086	0.082	0.073	0.060	0.048	0.038	0.034
Attenuation at any frequency= $[1.860000 \times \text{SQRT}(\text{FMHz})] + [0.001300 \times \text{FMHz}]$												