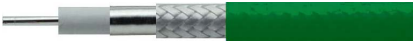


PS260-40G

40 GHz Phase Stable Coaxial Cable

The PS260-40G is a 2.60 mm outer diameter flexible phase-stable coaxial cable engineered for high-frequency RF systems up to 40 GHz. Built with Solid-PTFE insulation and a triple-shielded outer jacket structure, it delivers excellent mechanical stability, reliable electrical performance, and robust shielding effectiveness.



- Max Operating Frequency: 40 GHz
- Solid PTFE Dielectric Insulation
- Phase Stability vs. Bending: ± 0.3 °/GHz
- Nominal Outer Diameter: 2.60 mm
- Triple Shielding Construction (>90 dB Effectiveness)
- Direct Replacement for HUBER+SUHNER Minibend-086

STRUCTURE & PHYSICAL DIMENSIONS

Layer	Material	Construction (mm)	Nom. O.D. (mm)
Inner Conductor	Silver Plated Copper	1 / 0.51	0.51
Insulation	Solid-PTFE	-	1.68
Inner Shield	Silver Plated Copper Strip	-	1.88
Interlayer	High Temperature Aluminium Foil	-	2.00
Outer Shield	Alloy Wire Braid	-	2.20
Jacket	Green FEP	-	2.60

MECHANICAL CHARACTERISTICS

Min. Bend Radius (Static)	20.0 mm
Min. Bend Radius (Dynamic)	40.0 mm
Weight	0.019 kg/m
Operating Temperature	-55 to +125 °C

ELECTRICAL CHARACTERISTICS

Impedance	50 Ohm
Velocity of Propagation	70%
Capacitance	94 pF/m
Screening Effectiveness	> 90 dB
Dielectric Voltage	500 V DC

ATTENUATION & POWER HANDLING

Formula: $IL = K1 * \sqrt{F_MHz} + K2 * F_MHz$ [dB/100m] | $K1 = 2.242868142$, $K2 = 0.003937$

RF Coaxial Cable Technical Datasheet			Model: PS260-40G		
Frequency (MHz)		Nom. Attenuation (dB/100m @ 25°C)		Max Power Handling (W @ 40°C)	
500		52.12		258	
1000		74.86		180	
3000		134.66		100	
6000		197.35		68	
10000		263.66		51	
12000		292.94		46	
16000		346.69		39	
18000		371.78		36	
26500		469.44		29	
30000		506.59		27	
40000		606.05		22	

CROSS REFERENCE GUIDE

Primary Model	Equivalent Industry Reference	Compatibility Type
PS260-40G	HUBER+SUHNER Minibend-086	Direct Drop-In Equivalent