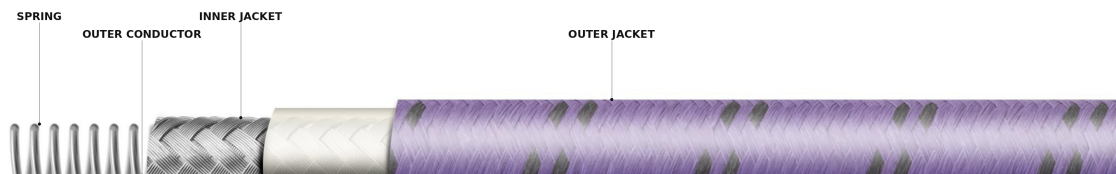


KL-54-PTFE(S) — Tensile-Resistant Torsional Spring Armor

Stainless Steel Spring Armor Sleeve, PTFE Jacket (High-Temperature)

**Structure & Materials**

Component	Property	Value
Spring	Material	Stainless Steel Wire
Spring	Helix Direction	Right-Hand
Spring	Pitch (No Load)	0.70 mm
Spring	Wire Diameter	0.50 ± 0.05 mm
Spring	Nominal ID / OD	5.40 ± 0.10 / 6.40 ± 0.10 mm
Outer Conductor	Material	Tinned Copper Wire
Outer Conductor	Nominal OD	6.90 ± 0.10 mm
Outer Conductor	Coverage	≥ 90%
Inner Jacket	Material / Color	PTFE, White
Inner Jacket	Nominal OD	7.15 ± 0.10 mm
Outer Jacket	Material / Color	PTFE, Purple + Black
Outer Jacket	Nominal OD	7.55 ± 0.15 mm (Blue+Black variant: 8.30 mm)

Mechanical & Environmental

Static Bend R.	Dynamic Bend R.	Weight	Op. Temp.	Waterproof/Oil
38 mm	80 mm	0.068 kg/m	-40°C ~ +165°C	No

Typical Applications

- Test cable protection
- Complex / harsh operating environments
- Outdoor deployment
- Long cable-run mechanical protection

Protective armor sleeve — mechanically protects an inner test or RF cable against repeated flexing and torsion. Not a stand-alone RF transmission product; no electrical rating applies.