

Abrasion Resistant Cable Liner

FITCO[®] Liner HP500

Description

Abrasion resistant anti-friction control cable liner with enhanced life cycle. Liner has been designed for use with or without a silicone lubricant to yield efficiency and cycle life. Material is PTFE based with polyphenylene sulfide inert organic filler enhance performance.

Applications

Ideally suited for moderate duty cables used in accelerator, clutch and automatic transmission actuator assemblies. Applicable where long life cycles are required.

Features

- ✓ Average efficiency 85% at 1,000,000 cycles
- ✓ Elimination of “stick-slip” through anti-friction property
- ✓ Plastic jacketed liner offers significant weight reduction compared to steel

Operating temperature:	+ 200°C
Standard color:	Brown
Base material:	PTFE
Filler:	Polyphenylene sulfide

Parameters

Test cycles	1,000,000
Load	6 - 25 Lbs.
Average efficiency	85%
Change in liner weight	+2 mg
Ultimate cycle life	> 1,000,000

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Properties	Test Method	Typical Value
Mechanical		
Tensile strength	ASTM D 638	5000 psi
Elongation	ASTM D 638	200%
Specific gravity	ASTM D 792 - Method A-1	2.06
Durometer „D“ (15 sec)	ASTM D 676	55
Thermal		
Melt point	-	PTFE @ 327°C, Filler @ 277°C
Chemical		
Chemical resistance	-	Excellent