

PHILLYSTRAN® Lashing Line PS29-LL180 Kevlar® (Aramid)

146-2/06

The **PS29-LL180** lashing line is constructed of a twisted Kevlar® aramid fiber core with a black polyurethane extruded jacket. The low stretch, high modulus core provides a very high strength-to-weight ratio. The jacket provides maximum protection from ultraviolet light, fresh or salt water, outdoor weathering and long-term aging. The **PS29-LL180** has excellent corrosion, chemical and abrasion resistance, plus excellent flexibility.



GENERAL PROPERTIES

Break Strength (lb)	180
Weight (lb/1000 ft)	1.0
Nominal Diameter (in)	0.05

POLYURETHANE EXTRUDED JACKET

Color	Black
Wall Thickness (mil)	9
Tensile Strength (psi)	5550
Elongation at Break (%)	525
Tear Strength (lb/in)	425
Hardness, Shore A	90
Weather Resistance	Excellent
Mildew/Fungus Resistance	Excellent
Low Temperature Flex	Excellent
Acid/Alkaline Resistance	Excellent
Organic Solvent Resistance	Excellent

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CAUTION: Break Strength: The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions. Break strength should not be mistaken for safe working load. **Safe Working Load:** Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load. **Wear:** Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write Phillystran, Inc.

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