

PHILLYSTRAN® STRENGTH MEMBERS (ROPE)

112-2/06

Phillystran strength members can be braided to form a strong outer casing that surrounds active cable components, can serve as internal strength members, and can be jacketed with abrasion-resistant, moisture-repellent extruded polymers. Phillystran strength members are currently being used for: Geophysical and mining cable; telephone, power, and fiber optic cables; harnesses, grips and belts.



PART NUMBER	DIAMETER JACKETED		BREAK STRENGTH		WEIGHT BARE ROPE		WEIGHT JACKETED ROPE		REEL LENGTH FT
	IN	mm	LBS	kN	LBS/M FT	kg/km	LBS/M FT	kg/km	
PS29-1x7x.045	0.085	2.2	350	1.6	1.0	1.5	3.1	4.5	16,000
PS29-1x7x.065	0.105	2.7	700	3.1	2.0	3.0	4.7	6.8	8,500
PS29-1x7x.089	0.129	3.3	1,050	4.7	3.0	4.5	6.5	9.4	5,000
PS29-1x7x.100	0.160	4.1	1,400	6.2	4.0	6.0	10.2	14.8	4,000
PS29-1x7x.115	0.175	4.4	1,650	7.3	5.0	7.5	11.9	17.2	4,000
PS29-1x7x.127	0.187	4.7	1,800	8.0	6.0	9.0	13.5	19.6	4,000
PS29-1x7x.137	0.197	5.0	2,100	9.3	7.0	10.5	14.9	21.6	3,500
PS29-1x19x.179	0.239	6.1	3,500	16	11.0	16.4	19.0	27.5	5,000
PS29-1x19x.196	0.286	7.3	4,000	18	13.5	20.1	30.8	44.6	5,000
PS29-1x19x.219	0.319	8.1	5,000	22	15.6	23.2	36.4	52.7	5,000
PS29-1x19x.237	0.337	8.6	6,000	27	19.0	28.3	41.8	60.5	5,000
PS29-7x7x.134	0.194	4.9	2,250	10	7.0	10.5	14.6	21.1	5,000
PS29-7x7x.195	0.285	7.2	4,000	18	13.5	20.1	30.0	43.4	5,000
PS29-7x7x.258	0.358	9.1	6,000	27	19.0	28.3	43.5	63.0	5,000
PS29-7x7x.297	0.397	10.1	8,700	39	28.0	41.7	55.7	80.7	4,000
PS29-7x7x.375	0.475	12.1	11,000	49	40.0	59.5	73.8	106.9	3,000
PS29-7x7x.407	0.517	13.1	14,000	62	50.0	74.4	90.4	130.9	3,000
PS29-7x19x.330	0.430	10.9	11,000	49	37.0	55.1	67.0	97.0	5,000
PS29-7x19x.450	0.560	14.2	17,000	76	57.0	84.8	101.2	146.6	3,000
PS29-7x19x.510	0.620	15.7	20,000	89	76.0	113.1	125.4	181.6	2,000
PS29-7x19x.580	0.690	17.5	26,000	116	99.5	148.1	150.4	217.8	2,000

Weights and Dimensions can vary

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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