

Seismic Bracing Cable Size #OR4 (Orange)



Certified Minimum Break Strength (lbs)	Allowable Load at 90° (lbs)	Allowable Load at 30° - 44° (lbs)	Allowable Load at 45° - 59° (lbs)	Allowable Load at 60° - 89° (lbs)	Min. Cable Diameter (in.)	Max. Cable Diameter (in.)
1,700	1,100	550	778	952	.125	.139

Number of Wires	Nom. Dia. of Wires (in.)	Min. Stress at 0.7% Extension Under Load	Min. Ultimate Tensile Strength
49	.014 to .015	150,000 PSI	300,000 PSI

Applied Load (lbs)	Applied Load (% of Min. Break Strength)	% Elongation at Applied Load	Modulus of Elasticity
170	10%	0.17%	11.0 x 10 ⁶
340	20%	0.30%	13.4 x 10 ⁶
510	30%	0.42%	14.7 x 10 ⁶
680	40%	0.52%	16.8 x 10 ⁶
850	50%	0.64%	17.1 x 10 ⁶
1,020	60%	0.75%	17.0 x 10 ⁶
1,133	66.67*%	0.84%	17.5 x 10 ⁶

*66.67% is equal to the allowable working load (break strength ÷ 1.5)