



Evolution Q812F

This 8-strand steel wire rope is mainly used as a trolley rope in harbors. The PLASTFILL® insert firmly embeds the outer strands in the plastic bed, resulting in a longer service life.

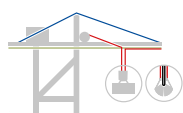
Specifications

- Ordinary lay, right or left-handed
- 12-54 mm: 8x25F-EPIWRC, RCN 06, n=152
- Filling factor f=0.63
- Use without swivel
- ✓ PLASTFILL®

Segments



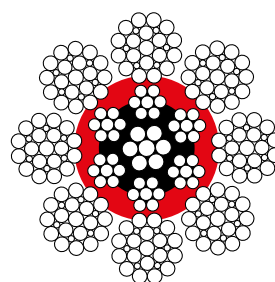
Applications



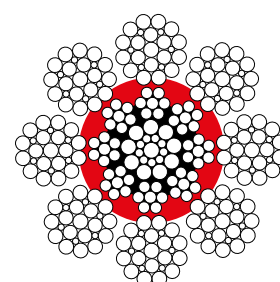
Ship to shore crane
& ship unloader

Advantages

- ✓ Good flexibility: The filler construction improves bendability
- ✓ Minimal internal wear: 8 non-compacted core strands increase the core's flexibility
- ✓ Improved permanent lubrication: The PLASTFILL® insert reduces wear in the core



Evolution Q812F
12-29 mm



Evolution Q812F
30-54 mm

Technical specifications

Construction	Nominal Ø		Rope length mass		MBF at rope grade			
					1770		1960	
	mm	inch	kg/m	lbs/ft	kN	lbf	kN	lbf
8x25F-EPIWRC RCN 06, n=152	12		0.63	0.42	108	24,279	120	26,977
	12.7	1/2	0.71	0.48	121	27,202	134	30,124
	13		0.74	0.50	127	28,551	140	31,473
	14	9/16	0.86	0.58	147	33,047	163	36,644
	15		0.98	0.66	169	37,993	187	42,039
	16	5/8	1.12	0.75	192	43,163	213	47,884
	17		1.27	0.85	217	48,784	240	53,954
	18		1.42	0.95	243	54,629	269	60,474
	19	3/4	1.58	1.06	271	60,923	300	67,443
	20		1.75	1.18	300	67,443	333	74,861
	21		1.93	1.30	331	74,412	367	82,505
	22		2.12	1.43	363	81,606	402	90,373
	22.23	7/8	2.17	1.46	371	83,404	411	92,396
	23		2.32	1.56	397	89,249	440	98,916
	24		2.50	1.68	432	97,117	479	107,683
	25		2.74	1.84	469	105,435	520	116,901
	25.4	1	2.83	1.90	484	108,808	536	120,498
	26		2.96	1.99	507	113,978	562	126,343
	27		3.19	2.15	547	122,970	606	136,234
	28		3.43	2.31	589	132,412	652	146,575
	28.58	1 1/8	3.58	2.40	613	137,808	679	152,645
	29		3.68	2.48	631	141,854	699	157,141
	30		3.97	2.66	676	151,971	748	168,157
	31.75	1 1/4	4.42	2.97	757	170,180	838	188,390
	32		4.49	3.01	769	172,878	851	191,312
	34		5.06	3.40	868	195,134	961	216,041
	35		5.37	3.61	920	206,824	1,018	228,856
	36		5.68	3.82	973	218,739	1,077	242,119
	38		6.33	4.25	1,084	243,693	1,200	269,771
	40		7.03	4.72	1,201	269,996	1,330	298,996
	41		7.36	4.95	1,262	283,709	1,397	314,058
	42		7.73	5.19	1,324	297,647	1,466	329,570
	44		8.48	5.70	1,453	326,647	1,609	361,718
	44.45	1 3/4	8.66	5.82	1,483	333,392	1,642	369,136
	46		9.30	6.25	1,588	356,997	1,759	395,439
	48		10.12	6.80	1,730	388,919	1,915	430,509
	50		10.95	7.36	1,877	421,966	2,078	467,153
	50.8	2	11.30	7.60	1,937	435,455	2,145	482,215
	52		11.84	7.96	2,030	456,362	2,248	505,371
	54	2 1/8	12.79	8.59	2,189	492,107	2,424	544,937

Standard tolerance: +2 % to +4 %, other tolerance ranges and rope diameters are available upon request.

The values are provided for guidance only. The metric figures shall prevail. The rope cross-section depicts a typical design and may vary within the product line. Subject to further developments which may lead to changes in technical specifications. Subject to changes and errors.