

C08/C12

Combination Fiber Mooring Line



This rope features a perfect balance of high-strength polyester and superpolymer material twist-woven together. This product fully combines the advantages of the two materials, making it a cost-efficient rope. The breaking strength and wear resistance are equivalent to that of a 100% polyester rope while weighing 20% less. C08 / C12 are round and solid ropes, with a smooth surface and easy operation, making them very efficient and cost-effective ropes.



Can be certified by



ROPERS
RELIABLE TO THE CORE

TECHNICAL INFORMATION

SPECIFIC GRAVITY | 0.99-1.1

CONSTRUCTION | 8 Strand / 12 Strand

MELTING POINT | 482°F (250 °C) /
338 °F (170 °C)

CRITICAL TEMP | 350°F (177 °C) /
250°F (120°C)

ELONGATION
AT 30% BREAK | 9.7%

WATER
ABSORPTION | 3-5%



Polyester-polypropylene blend
offering enhanced cost efficiency



20% lighter than 100% polyester
ropes, with added buoyancy



Low elongation, easy to handle



Firm yet flexible

Diameter		Weight				Minimum Strength ISO Unspliced Rope			
		C08		C12		C08		C12	
mm	inch	kg /100m	lbs/100ft	kg /100m	lbs/100ft	kgf	lbs	kgf	lbs
36	1 7/16	60	40.2	-	-	27,600	60,700	-	-
40	1 5/8	88	58.7	-	-	38,000	83,600	-	-
44	1 3/4	104	69.7	-	-	45,300	99,700	-	-
48	1 15/16	120	80.5	-	-	52,700	115,900	-	-
52	2 1/16	141	94.5	148.6	99.7	61,700	135,700	71,400	157,100
56	2 1/4	157	105.3	168.6	113.1	70,200	154,400	80,900	178,000
60	2 3/8	183	122.7	189.5	127.1	80,400	176,900	90,200	198,400
64	2 1/2	206	138.1	210.5	141.1	90,700	199,500	100,400	220,900
68	2 11/16	232	155.6	245.5	164.6	102,000	224,400	115,700	254,500
72	2 7/8	258	173.0	266.4	178.6	113,300	249,300	125,700	276,500
76	3	283	189.8	314.5	210.9	124,400	273,700	149,000	327,800
80	3 1/4	319	213.9	347.7	233.2	138,900	305,600	164,600	362,100
88	3 7/16	380	254.8	414.5	278.0	164,400	361,700	194,600	428,100
96	3 3/4	447	299.7	488.6	327.6	193,300	425,300	227,900	501,400
104	4 1/8	525	352.0	562.3	377.0	220,300	484,700	261,200	574,600

Diameter, weight and MBS are determined in accordance with ISO 2307:2019. Specifications are for unspliced strengths, strength will decrease by about 10% after splicing. Custom diameter and length available by request.

Warning: The minimum breaking strength must never be regarded as the safe working load of the rope.

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