7×7 WSC Wire Rope

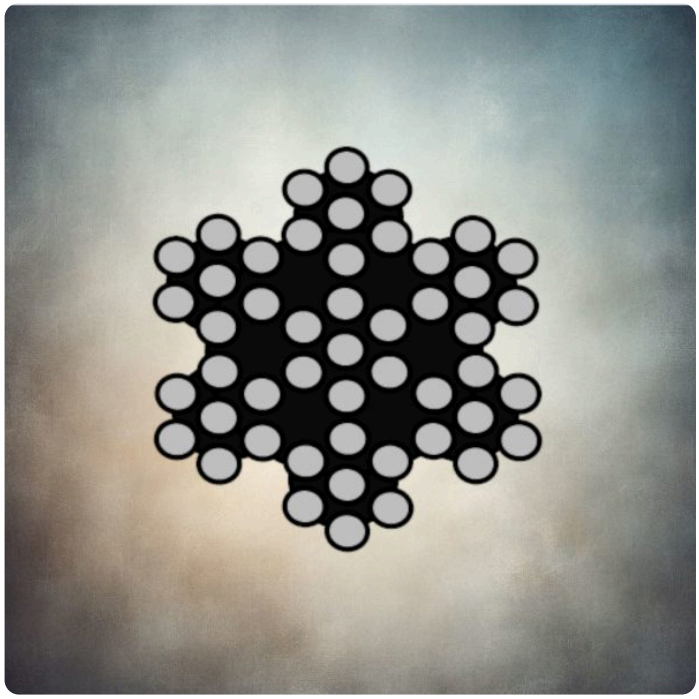
Conforms to EN 12385-4

General Purpose Wire Rope

Our **7×7 WSC** wire rope, conforming to EN 12385-4, consists of 7 strands, each with 7 wires, laid around a wire strand core (WSC). This construction provides a good balance of flexibility and strength, making it a popular choice for a wide variety of general-purpose applications.

This rope is available in two finishes: **Galvanised Steel** (1960 N/mm²) for rust protection, and **AISI 316 Grade Stainless Steel** (1570 N/mm²) for enhanced corrosion resistance in marine or chemical environments. It is supplied with a Right Hand Ordinary Lay (RHOL) and is suitable for guying, lanyards, and small hoist lines.





Technical Specifications & Minimum Breaking Loads

The following table outlines the key specifications for our range of 7×7 WSC wire rope, including diameter, weight, and Minimum Breaking Load (MBL) for both Galvanised and Stainless Steel options.

Diameter (mm)	Approx. Mass (kg/m)	Galvanised 1960 N/mm²		Stainless 1570 N/mm²	
		MBL (kN)	MBL (kg)	MBL (kN)	MBL (kg)
1.00	0.004	0.76	77	0.61	62
1.20	0.005	1.10	112	0.88	90
1.50	0.009	1.71	174	1.37	140
1.80	0.012	2.46	251	1.97	201

Diameter (mm)	Approx. Mass (kg/m)	Galvanised 1960 N/mm²		Stainless 1570 N/mm²	
		MBL (kN)	MBL (kg)	MBL (kN)	MBL (kg)
2.00	0.015	3.04	310	2.44	249
2.30	0.020	4.02	410	3.22	328
2.50	0.024	4.75	484	3.81	389
3.00	0.035	6.84	697	5.48	559
4.00	0.061	12.17	1241	9.75	994
4.20	0.069	14.03	1431	-	-
4.50	0.080	15.40	1570	-	-
4.60	0.083	16.10	1642	-	-
5.00	0.096	19.01	1938	15.23	1553
6.00	0.138	27.40	2794	21.90	2233
7.00	0.188	37.30	3804	29.80	3039
8.00	0.246	48.70	4966	39.00	3977
9.00	0.311	61.60	6281	49.30	5027
10.00	0.384	76.00	7750	60.90	6210
12.00	0.553	109.50	11166	87.70	8943

Disclaimer: The information provided is for guidance and reference purposes only. The Minimum Breaking Load (MBL) should never be considered a safe working load. A suitable factor of safety (FOS) must be applied by a competent person to determine the safe working load for any given application. All lifting equipment should be thoroughly inspected before each use. Deacon Products assumes no liability for the misuse or misapplication of this information or our products.