

## Falcon® Gold & Falcon® Plus Brand of UHMPE 12 strand Rope Specification

Dia (mm)	Falcon® Gold	Falcon® Plus	<i>Falcon® Gold</i>	<i>Falcon® Plus</i>
	Weight per coil of 100Mtrs (KG)	Weight per coil of 100Mtrs (KG)	Minimum Unspliced Breaking Strength (KGF)	Minimum Spliced Breaking Strength(KGF)
6	2.30	2.53	4079	3671
8	4.00	4.40	7036	6322
10	6.10	6.71	10707	9687
12	8.70	9.57	15296	13766
14	11.70	12.87	20394	18355
16	15.20	16.72	26003	23454
18	19.00	20.90	32121	29062
20	23.30	25.63	38749	34670
22	28.00	30.80	45887	41299
24	33.10	36.41	53025	47927
26	38.60	42.46	61183	55065
28	44.50	48.95	69851	62713
30	50.80	55.88	79028	71380
32	57.50	63.25	88206	79538
36	72.20	79.42	109110	98403
38	80.10	88.11	119817	108090
40	88.40	97.24	131034	117778
44	106.20	116.82	155507	140212
48	125.50	138.05	181000	163155
52	146.40	161.04	208533	187628
56	168.80	185.68	237595	213631
60	192.80	212.08	268696	241674
64	218.30	240.13	300817	270736
68	245.30	269.83	334978	301327
72	273.80	301.18	370668	333448

**Production Standard**

**BS EN ISO 10325:2018 & BS EN ISO 2307:2019**

**Features of Benefits:**

- \* Excellent UV Resistance
- \* Optimum strength to weight ratio.
- \* Breaking Strength equivalent to steel wire but only 1/7th in its weight.
- \* Non rotational
- \* Easy to handle and splice.

Specific Gravity 0.97g/cm <sup>2</sup>	Melting Point 140 C	Water Absorption NIL	Elongation 2.2% to 4%
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**Double Braided Falcon® Gold & Falcon® Plus UHMPE 32 Strand Ropes (i.e. UHMPE Core with Polyester/UHMPE Jacket)**

Dia (mm)	Falcon® Gold	Falcon® Plus	Falcon® Gold & Falcon® Plus	
	Wt. per coil of 100mtrs in kg	Wt. per coil of 100mtrs in kg	MBF (MT)	LDBF (MT)
40	98	103	116	105
44	123	129	141	126
48	140	147	165	148
52	165	173	196	177
56	196	206	223	201
60	222	233	257	231
64	249	261	294	265
68	287	301	332	300
72	320	336	370	333

**Production Standard - As per ISO 10325 : 2018 & ISO 2307 : 2010**  
**Weight is subject to +/-10% variation**

Features	Abrasion Resistant
	UV Stabilized
	Heat Resistant
	Lesser weight than Steel Wire Rope

