

Usha Martin Limited.
(Wire & Wire Ropes Division)
Tatisilwai, 835103,
Ranchi, Jharkhand, India

No. : 19EW3167L4
Date: 13 September 2019

Approval of Manufacturing Process of Steel wire rope

Dear Sirs,

We, Nippon Kaiji Kyokai, have recognized the manufacturing process of steel wire ropes being approved in accordance with the requirement in 4.1.1-2., Part L of the Rules under the following condition:

1. Manufacturer : Usha Martin Limited.
2. Trade name : HYFLEX 4
3. Construction : 4×39
4. Composition : Number of wires : 39
Number of strands : 4
Fibre core : Centre and centres of strands
5. Specification : See Table 1.
6. Remarks : For product inspection, to be in accordance with EN12385-4 in addition to Chapter 4, Part L of the NK Rules.

This certificate is valid from 13 September 2019 until 12 September 2024.
Issued at Tokyo on 13 September 2019.

Yours faithfully,
NIPPON KAIJI KYOKAI



H. Kobayashi
General Manager
Material and Equipment Department



Table 1: Specification of HYFLEX 4

Diameter (mm)	Nominal Mass (kg/100m)	Breaking Load (kN)	
		Tensile grade 1770 N/mm ²	Tensile grade 1960 N/mm ²
18	149	207.5	224.5
19	167	231.5	250.5
20	183	256.5	277.5
22	214	310	336
24	253	369	400
25	275	399	432
26	298	433	469
28	346	502	544
30	398	576	624
32	456	656	689
34	512	740	802
36	574	830	898
38	640	924	1002
40	709	1002	1082
42	782	1102	1192
44	859	1212	1312
45	898	1272	1372

Note: The above nominal mass of HYFLEX 4 is standard.

