

No. : TA17991E

Date : 5 October 2017



PARTICULARS OF APPROVAL

Approval Conditions for Synthetic Fibre Ropes

1. Approval No. : 00R-4
2. Trade Name : Tough Ace S Twell
3. Kind : Polypropylene / Polyester Composite Rope
4. Grade : Not Applicable
5. Number of Strands : 12
6. Raw Textile
 - 1. Polypropylene
Manufacturer : Tokyo Seiko Rope Mfg. Co., Ltd.
Kind : Polypropylene Special Mono-filament 3000D/1F
 - 2. Polyester
 - (1) Manufacturer : TEIJIN POLYESTER (THAILAND) LIMITED
Kind : Polyester Multi-filament 1000D or 1500D
 - (2) Manufacturer : Toray Industries, Inc.
Kind : Polyester Multi-filament 1500D
 - (3) Manufacturer : Unitika
Kind : Polyester Multi-filament 1000D or 1500D
7. Specification : See Table 1 and Table 2.

NIPPON KAIJI KYOKAI

A handwritten signature in blue ink, appearing to read 'H. Kobayashi'.

H. Kobayashi

General Manager

Material and Equipment Department

