



Project: **Communication Cable Review and Inspection**

Client: **Brand-Rex Ltd**

Office: **Glasgow**

Client's Order Number: **116544**

Date: **07 August 2014**

Order Status: **Complete**

Inspection Dates

First: **11 July 2013**

Final: **11 July 2013**

This certificate is issued to **Brand Rex Limited to certify that, at their request, the undersigned Surveyor did attend at their works at Viewfield Industrial Estate, Glenrothes, KY62RS, Scotland on the above date for the purpose of inspecting and reviewing manufacture of the following product:**

Screened Category 6A ISO/IEC, EN and ANSI/TIA Communication Cable, Individual Foil and Overall Braid Screened 100 Ohm, 4 Twisted Pairs, 23 AWG, Enhanced Flame Retardant Low Smoke Halogen Free (LSHF) Copper Cable

Brand-Rex Identification MarineSafe Cat6A S/FTP EFP

Scope of Inspection

An inspection and review of the manufacturing and test facilities at the Brand-Rex site was carried out in the company of Brand-Rex production and design engineers who outlined and explained the manufacturing and testing processes in place for the grade of Communication Cable detailed above. Test reports and Third Party Compliance Statements (reference 3P Compliance Statements No. 111604C and 107358F), outlining and confirming testing to the following standards were reviewed:

- Category 6A performance requirements of edition 2.2 of ISO/IEC Generic Cabling Standard 11801. CENELEC Generic Cabling Standard EN 50173-1:2011 and 2nd Edition IEC Cable Standard 61156-5.
- Category 6A requirements of ANSI/TIA Generic Cabling Standard 568-C.2 and the requirements of CENELEC Cable Standard EN 50288-10-1:2012.
- Flame Safety according to IEC 60332-1-2, IEC 60332-3-24, IEC 61034-1, IEC 61034-2 including Amendment 1 and IEC 60754-2.
- The cable has EMC Performance Rating 9.

On the basis of the information supplied and surveys carried out at the manufacturer's premises, it is considered that the above grade of data communications cable is acceptable for installation on a vessel classed with Lloyds Register provided that the installation and testing on board is to the satisfaction of the attending surveyor.

This certificate supercedes Certificate no. GLS 1300590-2, issued 26th August 2013 which is hereby cancelled.



L. W. F. Butler
Surveyor to Lloyd's Register EMEA

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