

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	45 285 - 16 HH
Company	bedea Berkenhoff & Drebes GmbH Herborner Str. 100 35614 Asslar, Germany
Product Description	Radio frequency coaxial cables
Type	HFX 50 2776 FRNC
Environmental Category	None
Technical Data / Range of Application	Temperature range: -35 to 70 °C Inner conductor: Bare copper Insulation: Polyethylene CELL-PE Braid: Tinned copper + Aluminum foil Sheath: SHF 1 Electrical data and characteristics: According to the manufacturer's data sheet
Test Standard	IEC 60096-0-1:2012, 61196-9-1:2015, 61196-9:2014, 60092-360:2014, IEC 60332-1-2:2004;
Documents	Test report : BEDEA dated 2016-04-06 witnessed by DNV GL BEDEA dated 1/2014 Specification: FE-No.: 960380
Remarks	This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007 and the GL Type Approval Procedure for Shipboard Cables. Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Valid until **2021-04-26**

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File No. **I.N.01**

Hamburg, 2016-04-27

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Electrical Characteristics	Capacitance pF/m	Impedance Ω	Screen attenuation dB						
HFX 50 2776 FRNC	80 +-2,5	50 +- 2	>75						
Attenuation max. dB/100m									
Frequency MHz	5	50	100	200	400	900	1500	2000	2400
HFX 50 2776 FRNC	x	x	<4,5	<6,6	<9,7	<15,6	<21,3	<25,5	<28,7

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