

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Low Voltage Cable**with type designation(s)
LS (IEC) unarmored

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**is found to comply with
DNV GL rules for classification – Ships and offshore units**Application :****Control & Instrumentation.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.****Voltage class (V) 250V
Temp. class (°C) 90**This Certificate is valid until **2020-11-10**.Issued at **Høvik** on **2015-11-11**DNV GL local station: **Long Beach**Approval Engineer: **Georgy Abramenko**for **DNV GL**

Digitally Signed By: Laumann, Marit

Location: DNV GL Høvik, Norway

Signing Date: 2015-11-13

**Marit Laumann
Head of Section**This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Low Voltage Cable**with type designation(s)
LS (IEC) armored

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

DNV GL rules for classification – Ships and offshore units**Application :****Control & Instrumentation.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Voltage class (V) 250V
Temp. class (°C) 90**This Certificate is valid until **2020-11-10**.Issued at **Høvik** on **2015-11-11**DNV GL local station: **Long Beach**Approval Engineer: **Georgy Abramenko**for **DNV GL**

Digitally Signed By: Laumann, Marit

Location: DNV GL Høvik, Norway

Signing Date: 2015-11-13

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE**This is to certify:****That the Low Voltage Cable**with type designation(s)
LS (IEC) armored and sheathed

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**is found to comply with
DNV GL rules for classification – Ships and offshore units**Application :****Control and instrumentation.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.****Voltage class (V) 250V
Temp. class (°C) 90**This Certificate is valid until **2020-11-10**.Issued at **Høvik** on **2015-11-11**DNV GL local station: **Long Beach**Approval Engineer: **Georgy Abramenko**for **DNV GL**

Digitally Signed By: Laumann, Marit

Location: DNV GL Høvik, Norway

Signing Date: 2015-11-13

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electric Power Cable**

with type designation(s)
SP 2000 V

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)**

Application :

Switchboard wires.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 2
Temp. class (°C) 95**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**



for **DNV GL**

Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CPCPE 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 95**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**



for **DNV GL**

Digitally Signed By: Nguyen, Tin Huu

Location: DNV GL Høvik, Norway

Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CPCPEA/T/B 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 95**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CPCPEAS/TS/BS 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

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IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 95**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electric Power Cable**with type designation(s)
SPCPE, DPCPE, TPCPE, QPCPE & FPCPE 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske
Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)****Application :****General power and lighting.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.****Voltage class (kV) 0,6/1
Temp. class (°C) 95**This Certificate is valid until **2019-06-30**.Issued at **Høvik** on **2015-07-27**DNV GL local station: **Long Beach**Approval Engineer: **Marta Alonso Pontes**for **DNV GL**Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CT/NTA/T/B 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 90**

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
..Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CT/NTAS/TS/BS 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

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IEEE 1580 (2010)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 90**

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electric Power Cable**

with type designation(s)

TP(IS-OS)PCPE, TP(IS)PCPE, TP(OS)PCPE, TT(OS)PCPE, TT(IS)PCPE & TT(IS-OS)PCPE 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)****Application :****Instrumentation and communication. Control.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Voltage class (kV) 0,6/1****Temp. class (°C) 95**This Certificate is valid until **2019-06-30**.Issued at **Høvik** on **2015-07-27**DNV GL local station: **Long Beach**Approval Engineer: **Marta Alonso Pontes**for **DNV GL**Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)

TP(IS-OS)PCPEA/T/B, TP(IS)PCPEA/T/B, TP(OS)PCPEA/T/B, TT(OS)PCPEA/T/B, TT(IS)PCPEA/T/B & TT(IS-OS)PCPEA/T/B 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)**

Application :

Instrumentation and communication. Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 95**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electric Power Cable**

with type designation(s)

**TP(IS-OS)PCPEAS/TS/BS, TP(IS)PCPEAS/TS/BS, TP(IS-OS)PCPEAS/TS/BS,
TT(OS)PCPEAS/TS/BS, TT(IS)PCPEAS/TS/BS & TT(IS-OS)PCPEAS/TS/BS 0,6/1 kV**

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske
Veritas' Offshore Standards
IEEE 1580 (2010)
IEC 60332-3-22 (2009-02)****Application :****Instrumentation and communication. Control.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.****Voltage class (kV) 0,6/1
Temp. class (°C) 95**This Certificate is valid until **2019-06-30**.Issued at **Høvik** on **2015-07-27**DNV GL local station: **Long Beach**Approval Engineer: **Marta Alonso Pontes**for **DNV GL**Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of**Marit Laumann
Head of Section**

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The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
ST/NT, DT/NT, TT/NT & FT/NT 0,6/1 kV

Issued to
**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with
**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske
Veritas' Offshore Standards
IEEE 1580 (2010)**

Application :

General power and lighting.

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.**

**Voltage class (kV) 0,6/1
Temp. class (°C) 90**

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**



for **DNV GL**

Digitally Signed By: Nguyen, Tin Huu

Location: DNV GL Høvik, Norway

...Signing Date: 2015-07-27, on behalf of.....

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
ST/NTA/T/B, DT/NTA/T/B, TT/NTA/T/B & FT/NTA/T/B 0,6/1 kV

Issued to
Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)

Application :

General power and lighting.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Voltage class (kV) 0,6/1
Temp. class (°C) 90

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-29**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
 Location: DNV GL Høvik, Norway
 Signing Date: 2015-07-29, on behalf of

Marit Laumann
Head of Section

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)

ST/NTAS/TS/BS, DT/NTAS/TS/BS, TT/NTAS/TS/BS & FT/NTAS/TS/BS 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)**

Application :

General power and lighting.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Voltage class (kV) 0,6/1

Temp. class (°C) 90

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CT/NT 0,6/1 kV

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)**

Application :

Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

**Voltage class (kV) 0,6/1
Temp. class (°C) 90**

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
CT/NTA/T/B 0,6/1 kV

Issued to

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SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

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IEEE 1580 (2010)**

Application :

Control.

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Temp. class (°C) 90**

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DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**



for **DNV GL**

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..Signing Date: 2015-07-27, on behalf of

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That the Electric Power Cable

with type designation(s)
CT/NTAS/TS/BS 0,6/1 kV

Issued to

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Application :

Control.

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Temp. class (°C) 90**

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DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



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Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Low Voltage Cable**

with type designation(s)

TP(IS-OS)T/NT, TP(IS)T/NT & TP(OS)T/NT 600/1000 V

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske
Veritas' Offshore Standards
IEEE 1580 (2010)****Application :****Instrumentation and communication. Control.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.****Voltage class (V) 600/1000****Temp. class (°C) 90**This Certificate is valid until **2017-12-31**.Issued at **Høvik** on **2015-07-27**DNV GL local station: **Long Beach**Approval Engineer: **Marta Alonso Pontes**for **DNV GL**Digitally Signed By: Nguyen, Tin Huu
Location: DNV GL Høvik, Norway
Signing Date: 2015-07-27, on behalf of**Marit Laumann
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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Low Voltage Cable

with type designation(s)

TP(IS-OS)T/NTA/T/B, TP(IS)T/NTA/T/B & TP(OS)T/NTA/T/B 600/1000 V

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

Instrumentation and communication. Control.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Voltage class (V) 600/1000

Temp. class (°C) 90

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Issued at **Høvik** on **2015-07-27**

DNV GL local station: **Long Beach**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**



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TYPE APPROVAL CERTIFICATE

This is to certify:**That the Low Voltage Cable**

with type designation(s)

TP(IS-OS)T/NTAS/TS/BS, TP(IS)T/NTAS/TS/BS & TP(OS)T/NTAS/TS/BS 600/1000 V

Issued to

**Conductores Monterrey, S.A. de C.V. /Viakon
SAN NICOLAS DE LOS GARZA NUEVO LEÓN, Mexico**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEEE 1580 (2010)****Application :****Instrumentation and communication. Control.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Voltage class (V) 600/1000****Temp. class (°C) 90**This Certificate is valid until **2017-12-31**.Issued at **Høvik** on **2015-07-27**DNV GL local station: **Long Beach**Approval Engineer: **Marta Alonso Pontes**for **DNV GL**

Digitally Signed By: Nguyen, Tin Huu

Location: DNV GL Høvik, Norway

Signing Date: 2015-07-27, on behalf of

**Marit Laumann
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.