

AGENDA

**Port Freeport
Port Commission
Regular Meeting
Thursday, April 14, 2022, 1:00 pm - 5:00 pm
In Person & Videoconference - Administration Building - 1100 Cherry Street - Freeport**

This meeting agenda with the agenda packet is posted online at www.portfreeport.com

The meeting will be conducted pursuant to Section 551.127 of the Texas Government Code titled "Videoconference Call." A quorum of the Port Commission, including the presiding officer, will be present at the Commissioner Meeting Room located at 1100 Cherry Street, Freeport, Texas. The public will be permitted to attend the meeting in person or by videoconference.

Public comment will be available at the beginning of the meeting during the agenda item devoted to public comment. Public comment may be communicated in person or by videoconference, but in either event public comment will be limited to 5 minutes per participant and must be communicated verbally. Following public comment, the public will not be permitted to communicate with the Port Commission.

The videoconference is available online as follows:

Join Zoom Meeting

<https://us02web.zoom.us/j/83019756525?pwd=NEdnZDNiSEl0dTNBTjFrRDUVTTU1Zz09>

Meeting ID: 830 1975 6525

Passcode: 075106

Dial by your location

1 346 248 7799 US (Houston)

Meeting ID: 830 1975 6525

Find your local number: <https://us02web.zoom.us/j/kdykt2gjAe>

1. CONVENE OPEN SESSION in accordance with Texas Government Code Section 551.001, et. seq., to review and consider the following:
2. Invocation.
3. Pledge of Allegiance: U.S. Flag & Texas Flag
4. Roll Call.
5. Call to identify and discuss any conflicts of interest that may lead to a Commissioner abstaining from voting on any posted agenda item.
6. Public Comment. (Public comment will be limited to 5 minutes per participant and can be completed in person or by videoconference)
7. Approval of minutes from the Regular Meeting held March 24, 2022.
8. Receive report from Executive Director/CEO and/or Port staff on activities and matters related to COVID-19 health safety matters, administrative affairs, financial results, facility engineering matters, operations and vessel activity, port safety matters, port security matters, Port tenant updates, USCOE, and other related port affairs.
9. Approval of a Contract with Saltwater Salvage, LLC for the Docks 1, 2, 3, & 5 Sheet Pile Repair 2022 project, in an amount not to exceed \$180,500.00.
10. Approval of a purchase from Portal Crane Group for power reel cables, in the amount of \$118,319.80.
11. Approval of Commissioners' travel for the month of April 2022.

12. Receive update regarding General Counsel Request for Proposals.
13. EXECUTIVE SESSION in accordance with Subchapter D of the Open Meetings Act, Texas Government Code Section 551.001, et. seq., to review and consider the following:
 - A. Under authority of Section 551.071 (Consultation with Attorney):
 1. Consultation with attorney under Government Code Section 551.071(1) (to seek or receive attorney's advice on pending or contemplated litigation).
 2. Consultation with attorney under Government Code Section 551.071(2) (to seek or receive attorney's advice on legal matters that are not related to litigation).
 - B. Under authority of Section 551.072 (Deliberation of Real Property Matters) for discussion regarding:
 1. Discussion regarding the potential exchange, lease, or value of real property located in Freeport, Texas, including but not limited to the area known as the East End of Freeport and bordered by or adjacent to the following streets: FM 1495; East 2nd Street; Terminal Street and East 8th Street in Freeport, Texas.
 2. The potential purchase, exchange, lease or value of real property located at Port Freeport, including but not limited to the real property located at and contiguous to Berths 1, 2, 5 and 7.
 3. The potential exchange, lease, or value of real property located at Port Freeport, including but not limited to Parcel 14, 19, 27, 34 and property on Quintana Island.
 - C. Under authority of Section 551.076 (Deliberation of Security Matters) for discussion regarding:
 1. Discussion regarding issues related to the deployment, or specific occasions for implementation of security personnel or devices or security audit and services.
14. RECONVENE OPEN SESSION:
15. Adjourn.

The Port Commission does not anticipate going into a closed session under Chapter 551 of the Texas Government Code at this meeting for any other items on the agenda, however, if necessary, the Port Commission may go into a closed session as permitted by law regarding any item on the agenda.

With this posted notice, Port Commissioners have been provided certain background information on the above listed agenda items. Copies of this information can be obtained by the public at the Port Administrative offices at 1100 Cherry Street, Freeport, TX.



Phyllis Saathoff, Executive Director/CEO
PORT FREEPORT

In compliance with the Americans with Disabilities Act, the District will provide for reasonable accommodations for persons attending its functions. Requests should be received at least 24 hours in advance.

Minutes of Port Commission Regular Meeting
March 24, 2022
In Person & Videoconference

A Regular Meeting of the Port Commission of Port Freeport was held March 24, 2022, beginning at 1:07 PM at the Administration Building, 1100 Cherry Street, Freeport, Texas.

This meeting agenda with the agenda packet is posted online at www.portfreeport.com

The meeting will be conducted pursuant to Section 551.127 of the Texas Government Code titled "Videoconference Call." A quorum of the Port Commission, including the presiding officer, will be present at the Commissioner Meeting Room located at 1100 Cherry Street, Freeport, Texas. The public will be permitted to attend the meeting in person or by videoconference.

Public comment will be available at the beginning of the meeting during the agenda item devoted to public comment. Public comment may be communicated in person or by videoconference, but in either event public comment will be limited to 5 minutes per participant and must be communicated verbally. Following public comment, the public will not be permitted to communicate with the Port Commission.

The videoconference is available online as follows:

Join Zoom Meeting

<https://us02web.zoom.us/j/82569076100?pwd=T0NzeEp6L3lGMmdVR3F1NlBjb2x0QT09>

Meeting ID: 825 6907 6100

Passcode: 476328

Dial by your location

+1 346 248 7799 US (Houston)

Meeting ID: 825 6907 6100

Find your local number: <https://us02web.zoom.us/u/kbjXVWIocA>

Commissioners present in person:

Mr. John Hoss, Chairman
Mr. Rudy Santos, Vice Chairman
Mr. Dan Croft, Secretary
Mr. Rob Giesecke, Asst. Secretary
Mr. Ravi Singhanian, Commissioner
Mr. Shane Pirtle, Commissioner

Staff Members Present:

Mr. Peter Nemeth, Interim Legal Counsel
Ms. Phyllis Saathoff, Executive Director/CEO
Mr. Rob Lowe, Director of Administration/CFO
Mr. Al Durel, Director of Operations
Mr. Mike Wilson, Director of Economic Development & Freight Mobility
Mr. Jason Hull, Director of Engineering
Mr. Chris Hogan, Director of Protective Services
Mr. Jason Miura, Director of Business & Economic Development
Mr. Brandon Robertson, Network Systems Manager
Ms. Missy Bevers, Executive Assistant
Ms. Mary Campus, Controller

Ms. Tricia Vela, Public Affairs Assistant
Mr. Jesse Hibbetts, Operations Manager

Also, present:

Mr. Bobby Fuller, Texas Port Ministry
Mr. Chris Moore, Texas Port Ministry
Mr. Jason Foltyn, HDR
Ms. Kelsea Hiebert, HDR
Ms. Christine Mayers, HDR
Mr. Jason Mills, Terracon
Mr. William Bohlen, BGE Engineers
Ms. Barbara Fratila
Mr. Henry Chambliss

1. CONVENE OPEN SESSION in accordance with Texas Government Code Section 551.001, et. seq., to review and consider the following:
2. Invocation – Mr. Bobby Fuller, Texas Port Ministry
3. Pledge of Allegiance – U.S. Flag and Texas Flag
4. Roll Call – Commissioner Hoss noted that Commissioner Croft was in another meeting and would join the group later. All other Commissioners were present in the Board Room.
5. Call to identify and discuss any conflicts of interest that may lead to a Commissioner abstaining from voting on any posted agenda item.

There were no conflicts noted from Commissioners.

6. Public Comment – Ms. Melanie Oldham addressed the Board regarding a Clean Port Plan.
7. Approval of minutes from the Regular Meeting held March 10.

A motion was made by Commissioner Pirtle to approve the minutes as presented. The motion was seconded by Commissioner Giesecke with all Commissioners present voting in favor of the motion.

8. Receive reports from Executive Staff on activities and matters related to COVID-19 health safety matters, administrative affairs, financial results, facility engineering matters, operations and vessel activity, port safety matters, port security matters, Port tenant updates, USCOE, and other related port affairs.

A. Executive Director/CEO

Ms. Saathoff reported on the quarterly executive governance meeting held with the USACE Galveston District March 23 stating the widening in Reach 2 should be completed by May 1. Bids are out for dry excavation in the bend easing with work to be completed this fiscal year. Plans and specs for remainder of the project are being sent to New Orleans for the independent review which will take approximately 30 days. The next bid package will go out June-July timeframe. Staff hosted new Assistant Secretary of the Army Connor as well as other Corps officials from Headquarters and the

Southwest Division for an aerial port tour from the crane. Notice was received that John Porcari, president appointed port envoy, will step down this month now that the role will shift to a more permanent structure under the new Federal Office of Multimodal Freight Policy. Staff has also received notice that Texas Lt. Governor has made the remaining appointments for Senate committee and chair vacancies. Speaker Phelan has released his interim charges, and the Texas Ports Association will be monitoring the hearings on these charges as they move forward.

B. Chief Financial Officer

Mr. Lowe gave a presentation regarding the financial results for the month of February.

C. Director of Engineering

Mr. Hull submitted a written report and was available for questions.

D. Director of Operations

Mr. Durel reported on a few highlights from his written report stating that February was a robust month with the Port monitoring 45 vessels while the total number of vessel arrivals Port wide was 93. Staff anticipates a repeat for the month of March. Mr. Durel also reported the Channel User Advisory Group met earlier in the day for Pilots to report on progress of the dispatch system as well as present an update on budget, expenses and revenue. The group also discussed the growth in the Port.

Commissioner Croft joined the meeting during the operations report at 1:35 p.m.

E. Director of Business & Economic Development

Mr. Miura reported that NYK will be calling Port Freeport in April with the first vessel to carry OEM, POV and high and heavy into Port Freeport. Mr. Miura recognized Mike Wilson for his part in cultivating the relationship with NYK over the years. Ms. Saathoff also recognized the operations department for their part in taking care of the Port's current customers and how it reflects in the confidence the business has in using Port Freeport.

Ms. Saathoff also noted that staff is actively working on preparations for the Take-A-Child Fishing Tournament which will be held May 14 at Freeport Municipal Park.

9. Receive report from Commissioners on matters related to:

A. March 24 Finance Advisory Committee – Commissioner Croft reported the committee discussed items to be considered on today's agenda for approval.

B. Port Commission related meetings or conferences, Port presentations and other Port related matters.

Commissioner Pirtle reported participating on a number of conference calls with the Corps, Velasco Drainage District and OMB. He also attending Friends of the River (FOR) State of the River, Port CAP meeting as well as the Chamber Awards Luncheon.

Commissioner Croft reported attending the Brazoria County Economic Development Alliance meeting, Brazoria County Cattlemen's Association meeting and will attend a Sweeney Chamber of Commerce event this evening.

Commissioner Santos echoed his attendance on various Corps conference calls and attendance at the CAP meeting.

Commissioner Hoss also participated on the various conference calls and events previously mentioned.

Commissioner Singhanian reported attending the reception for new President at Brazosport College, Vincent Solis. He also mentioned an upcoming luncheon April 28 honoring Dennis Bonnen and noted his CAP members were very impressed with the last meeting featuring Steve Huttman with G&H Towing as the speaker. Commissioner Singhanian also reported attending a meeting with Freeport LNG.

Commissioner Giesecke reported also attending the CAP meeting.

10. Approval of financial reports presented for the period ending February 28, 2022.

A motion was made by Commissioner Singhanian to approve the financial reports as presented. The motion was seconded by Commissioner Santos with all Commissioners present voting in favor of the motion.

11. Approval of a proposal from Texas A&M Transportation Institute for Port Freeport Economic Impact Study for an amount not to exceed \$66,500.

Mr. Wilson stated that staff met with the finance committee to discuss this proposal. He noted the last EIS was performed in 2019 and was based on 2017 data. The proposal for 2022 will be based on 2021 data. The data collected will be distributed to the Port's constituents to deliver the Port's message that we still care about the quality of life, creating jobs and the report demonstrates the Port is doing that. The Port uses the data to communicate the Port's impact to the state and the impact to the federal government. Staff recommends approval.

A motion was made by Commissioner Croft to accept the proposal. The motion was seconded by Commissioner Giesecke with all Commissioners present voting in favor of the motion.

12. Adoption of a Resolution declaring items surplus and ordered sold separately for cash, after notice of sale and receipt of bids to the highest bidder; destroyed or otherwise disposed of if no bids are received; or offered as trade-in for new property of the same general type.

Mr. Jesse Hibbetts stated the items listed on the exhibit was previously discussed with the OSS Advisory Committee and noted that most of the equipment, (i.e., golf carts, travel trailer, etc.) is unusable (broken down, rusted, non-usable) however, with the yard trucks and the fork-lifts, staff wants to surplus and include them for trade in when they go out for bids for equipment replacement. The Hyster 440 will be traded in for a replacement.

A motion was made by Commissioner Pirtle to approve the resolution. The motion was seconded by Commissioner Santos with all Commissioners present voting in favor of the motion.

13. Adoption of a Resolution approving the acceptance of the Port's portion of proceeds received from high bidders on delinquent tax property held in trust by Brazoria County, Texas and authorizing the Chairman to join in conveyance to high bidders.

A motion was made by Commissioner Pirtle to approve the resolution. The motion was seconded by Commissioner Croft with all Commissioners present voting in favor of the motion.

14. Update regarding the search for General Counsel and the Request for Proposals.

Ms. Saathoff stated that the changes discussed at the last board meeting were made to the RFP and sent out March 11 to firms identified as potential candidates and posted on the Port's website. Contact was also made with the Brazoria County Bar Association, who has posted the RFP on their website and emailed it to their members. No responses or questions have been received to date.

15. EXECUTIVE SESSION in accordance with Subchapter D of the Open Meetings Act, Texas Government Code Section 551.001, et. seq., to review and consider the following:

- A. Under authority of Section 551.071 (Consultation with Attorney) for discussion regarding:

1. Consultation with attorney under Government Code Section 551.071(1) (to seek or receive attorney's advice on pending or contemplated litigation or a settlement offer).
2. Consultation with attorney under Government Code Section 551.071(2) (to seek or receive attorney's advice on legal matters that are not related to litigation).

- B. Under authority of Section 551.072 (Deliberation Concerning Real Property Matters) for discussion regarding:

1. Discussion regarding the potential exchange, lease, or value of real property located in Freeport, Texas, including but not limited to the are known as the East End of Freeport and bordered by or adjacent to the following streets: FM1495; East 2nd Street; Terminal Street and East 8th Street in Freeport, Texas.
2. The potential purchase, exchange, lease, or value of real property located at Port Freeport, including but not limited to the real property located at and contiguous to Berths 1, 2, 5 and 7.
3. The potential exchange, lease, or value of real property located at Port Freeport, including but not limited to Parcels 14, 19, 27, 34 and property on Quintana Island.

- C. Under authority of Section 551.076 (Deliberation of Security Matters) for discussion regarding:

1. Issues related to the deployment or specific occasions for implementation of security personnel or devices or security audit services.

16. RECONVENE OPEN SESSION to review and consider the following:

Commissioner Singhania left the meeting during executive session at 4:18 p.m.

17. Approval of a Memorandum of Agreement accepting offer from the Texas Department of Transportation regarding property that consists of 102.6 acres of land (4,471,953 sq.ft.) located at South line of Gulf Intracoastal Waterway, West of Bryan Beach, Quintana, Brazoria County, Texas (Parcel PA 86E), in which Port Freeport has a partial interest.

Ms. Saathoff stated the Port received an initial offer and a final offer from the Texas Department of Transportation (TxDOT) for the Port's interest in 102.6 acres of land on Quintana Island that is used as a dredged material placement area for the dredging of the Gulf Intracoastal Waterway. Appraisal information was provided which was reviewed by staff, and a settlement offer was sent in and accepted by TxDOT. Staff requests authorization to accept and execute the agreement of the settlement offer in the amount of \$366,720 for the Port's 45.84% interest in the track of land.

A motion was made by Commissioner Croft to approve the agreement. The motion was seconded by Commissioner Pirtle with all Commissioners present voting in favor of the motion.

18. Approval of a First Amendment to the Lease Agreement between Port Freeport and Dole Fresh Fruit Company.

Mr. Miura stated that staff recommends approval of a First Amendment to the Lease Agreement with Dole Fresh Fruit. The amendment would be retroactive to July 25, 2021, and effectively change Dole's berth priority berthing window.

A motion was made by Commissioner Pirtle to approve the amendment. The motion was seconded by Commissioner Croft with all Commissioners present voting in favor of the motion.

Commissioner Croft left the meeting during executive session at 5:55 p.m.

19. Adjourn.

With no further business before the Commission, the meeting adjourned at 7:17 PM

John Hoss, Chairman

Rudy Santos, Vice Chairman

Dan Croft, Secretary

Rob Giesecke, Asst. Secretary

Ravi K. Singhania, Commissioner


Shane Pirtle, Commissioner



1100 CHERRY ST. • FREEPORT, TX 77541
(979) 233-2667 • 1 (800) 362-5743 • FAX: (979) 373-0023
WWW.PORTFREEPORT.COM

MEMORANDUM

TO: Commissioners
Directors
Legal Counsel

FROM: Jason Hull, P.E. 
Director of Engineering

DATE: April 14, 2022

SUBJECT: Docks 1, 2, 3 and 5 Sheet Pile Repairs 2022
Project No. 22-02

Bids were received and opened for the Docks 1, 2, 3 and 5 Sheet Pile Repairs 2022 Project on March 24, 2022, at 2:00 P.M.

Three contractors submitted a bid as shown in the attached bid tabulation sheet. The contractor that submitted the lowest bid in addition to meeting all requirements of the specifications was Saltwater Salvage, LLC.

Saltwater Salvage, LLC is a reputable contractor based in Freeport, Texas.

I recommend the Port move forward with this important project and award the contract to Saltwater Salvage, LLC for an amount **not to exceed \$180,500.00.**

attachment

PORT COMMISSION

JOHN HOSS, CHAIRMAN; RUDY SANTOS, VICE CHAIRMAN; DAN CROFT, SECRETARY; ROB GIESECKE, ASST. SECRETARY;
RAVI K. SINGHANIA, COMMISSIONER; SHANE PIRTLE, COMMISSIONER; PHYLLIS SAATHOFF, EXECUTIVE DIRECTOR/CEO



BID TABULATION SHEET
DOCKS 1, 2, 3 AND 5 SHEET PILE REPAIRS 2022
PROJECT NO. 22-02
BID OPENING: MARCH 24, 2022, 2:00 P.M.

Name	Amount	Bond/CC	Qualification Statement	Insurance Certificate	Days
Taylor Marine	\$321,000.00	Bond	Yes	No	75
Nordic Group	\$285,107.00	Bond	Yes	Yes	50
SWS	\$180,500.00	CC	Yes	Yes	60

Signatures: _____

[Signature]

Nadia Bowens

Purchase Order Request

Date: 2/28/2022
 Dept. Operations

Vendor Portal Crane Group
 1124 Fir Avenue #184
 Blaine, WA 98230
 Phone: 360-733-4772 Fax: 360-738-0124

Ship to: Port Freeport
 575 Pete Schaff Blvd.
 Freeport, TX. 77541
 979-233-2667

Quotes*

Vendor Name	Qty	Description	Delivery Fee	Unit Price	Line Total
Portal Crane Group	2.0	Power Reel Cables (PCR Medium Voltage)	4,140.00	57,089.90	\$ 118,319.80
		366 MTRS Protolon SMK			
		15KV Power Cable			
		(ZP08-1153A)			

* Please attach quote documentation (minimum 2 quotes required).

Grant Related? Yes ☐ No ☒
 Grant Ref #
 Re-bill? Yes ☐ No ☒
 If yes, who?

Terms/Conditions or Other

Comments:

Quotation Number: Q22079-KK

Gantry 1 and 2, installed when cranes are relocated to Dock 8

Proprietary Vendor - parts only available through them

Terms: Net 30

Purchase Order Information

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
2.0	Power Reel Cables (PCR Medium Voltage)	57,089.90	\$ 114,179.80
1.0	Freight	4,140.00	4,140.00
Total			\$ 118,319.80

Commission Approval Date:

Account Coding

5700-50-3068
 5700-50-3069

Ordered by

Date

Authorized by

Date

Company: PORT FREEPORT
Address: 575 Pete Shaff Blvd
Freeport, TX 77541 –
PORT FREEPORT, OPS
DEPARTMENT

Date: April 4, 2022
Quote: Q22079 (REV. 3)-KK

Contact: Don Mullett
Phone: (979) 233-2667
Email: mullett@portfreeport.com

Re: 427 MTRS. PROTOLON SMK
15KV POWER CABLE
(ZP08-1153A)

Description	Unit Price	Qty	Total Price
P/N TBD PROTOLON (SMK)-LWL 8,7/15kV (N)TSKCGEWOEU red, 3x35 + 1x25 + 1x10ST+1x (6E9/125LWL) 1X CABLE 427MTRS. @ \$133.70/ MTR Delivery: Approx. 21-23 Weeks + Transit Time Availability subject prior to final sale. *NOTE: ONCE ORDER IS PLACED PART NUMBER WILL BE UPDATED.	\$57,089.90	2	\$114,179.80
FREIGHT CHARGES			
INCOMING FREIGHT CHARGE(S) TO PCG FACILITY. FROM GERMANY. SUBJECT TO FINAL SALE, WEIGHTS AND DIMS, AND AT TIME OF SHIPPING	4,140.00	1	4,140.00
OUTGOING FREIGHT CHARGE(S) FROM PCG FACILITY TO FREEPORT, TX. SUBJECT TO FINAL SALE, WEIGHTS AND DIMS, AND AT TIME OF SHIPPING	TBD	1	TBD
	TOTAL		\$118,319.80

Terms & Conditions

Currency: USD Funds

Exworks: Port Coquitlam, BC

Terms: 50% Down Payment

50% Net 30 days.

Delivery: Approx. 21-23 weeks + transit time – Availability subject prior to final sale

Quotation: Valid for 30 days

Minimum Order: \$ 100.00 USD

Note: Due to the current volatility of the cost of steel, Portal Crane reserves the right to review this offer at the time of order placement prior to accepting the order. If a +/-5 % change occurs in the steel index Portal Crane has the right to adjust the quote accordingly.

APPLICABLE DUTIES AND TAXES NOT INCLUDED IN PRICE

Thank you for the opportunity to offer our quotation for your Portal Crane Parts requirements.
If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,

Ray Cordero

Tel: 604-941-3180

Email: ray@portalcrane.com

PROTOLON(SMK)-LWL (N)TSKCGEWOEU 3x35+1x25+1x10ST+1x(6G62,5) 8,7/15 kV (ST)



Application

Flexible medium voltage reeling cable for the combined transmission of energy and data, under high or extreme mechanical stresses, e.g. high travel speeds, dynamic tensile loads, multiple changes of direction into different planes, churning on running over rollers and torsional stresses. Mainly for mobile equipment, e.g. fast-moving container cranes, cranes, large mobile equipment and excavators. Also suitable for application according to DIN VDE 0168 and 0118: open-cast and underground mining.

Global data

Brand	PROTOLON(SMK)-LWL
Type designation	(N)TSKCGEWOEU
Standard	Based on DIN VDE 0250-813
Certifications / Approvals	GOST-R, MSHA P-189-4

Notes on installation

Notes on installation	Preparation of fibre-optics requires special skills and use of elaborate tools. It is therefore recommended that performance of this work is entrusted to our customer service (Factory assembly). Please provide the connection dimensions.
-----------------------	--

Design features

Conductor	Conductor and earth conductor made of electrolytic copper tinned, very finely stranded, class FS (refer also to DIN VDE 0295)			
Insulation	PROTOLON HS High grade special compound based on high-quality EPR (at least 3GI3); improved mechanical and electrical characteristics (refer also to DIN VDE 0207, Part 20).			
Electrical field control	Inner semiconductive layer of EPR, outer semiconductive layer of modified NBR, (Easy Strip design)			
Core identification	Natural coloured insulation with black semiconductive layer			
Optical fiber	Fibre core diameter: 62,5, 50 or 9µm; diameter across the cladding: 125µm; diameter over the coating: 250µm. Design available with 6,12, 18 or 24 fibres.			
	Fibre class: Type:	G50/125µm Graded-index fibre	G62,5/125µm Graded-index fibre	E9/125µm Monomode fibre
	- Attenuation at 850 nm:	<2,8 dB/km	<3,3 dB/km	-
	- Attenuation at 1310 nm:	<0,8 dB/km	<0,9 dB/km	<0,4 dB/km
	- Attenuation at 1550 nm:	-	-	<0,3 dB/km
	- Bandwidth at 850 nm:	>400 MHz	>400 MHz	-
	- Bandwidth at 1300 nm:	>1200 MHz	>600 MHz	-
	- Numerical aperture:	0,2 ± 0,02	0,275 ± 0,02	0,14 ± 0,02
	- Chromatic dispersion at 1300 nm:	-	-	<3,5 ps/nm km
	- Chromatic dispersion at 1550 nm:	-	-	<3,5 ps/nm km
Fiber coding	Specially developed color code for identification of the individual fibres			
Fiber covering	Loose tube with filling compound, Basic material: ETFE, Compound: 7YI 1, Natural color			
Core arrangement	Three core design with cradle separator in the centre, earth conductor splitted into 2 parts positioned in two interstices. Optical element: six tubes, laid up around a central support element, with one, two or three optical fibers in each, positioned in the third interstice.			
Sheath system	- PROTOFIRM Sandwich - double layer inner sheath: Special compound based on EPR, quality at least SGM3, also served as water barrier, color: red; - Anti-torsion braid: Reinforced braid made of polyester threads, in a vulcanized bond between the sheaths, resulting in high strength of the sheath system; - PROTOFIRM Sandwich - double layer outer sheath: A sheath system with a unique combination of flexibility and robustness has been achieved through the use of a new sandwich structure. Abrasion and tear-proof high grade rubber compounds based on PCP, quality at least SGM5, colour: bright red/red.			

PROTOLON(SMK)-LWL (N)TSKCGEWOEU 3x35+1x25+1x10ST+1x(6G62,5) 8,7/15 kV (ST)



Electrical parameters

Rated voltage	8.7/15 kV
Max. permissible operating voltage AC	10.4/18 kV
Max. permissible operating voltage DC	13.5/27
AC test voltage	24 kV
AC test voltage - control cores	1 kV
EMC	This design exhibits an extremely low interference level as a result of use a symmetrical three-core design with very narrow manufacturing rates.
Data transmission	Special design with fibre-optics for trouble free data transmission at high data rates.
Current Carrying Capacity description	According to DIN VDE 0298, Part 4. Higher values are permissible in specific cases (please consult the manufacturer).

Chemical parameters

Resistance to oil	Acc. to DIN EN 60811-404 and DIN VDE 0473-811-404, paragraph 10
Weather resistance	Unrestricted use outdoors and indoors, resistant to ozone, UV and moisture.
Water resistance	According to HD 2216

Thermal parameters

Max. operating temperature of the conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Ambient temperature for fixed installation	min -50 °C ; max +80 °C
Ambient temperature in fully flexible operation	min -35 °C ; max +80 °C

Mechanical parameters

Max. tensile load on the conductor	20 N/mm ²
Max. tensile load on the conductor during acceleration	Up to 30 (acc. to DIN VDE 0298 part 3: 15 N/mm ²) N/mm ²
Torsional stress +/-	25 °/m
Bending radii min.	Acc. to DIN VDE 0298 part 3
Min. distance with S-type directional changes	20xD (cable diameter)
Travel speed	- Gantry (reeling operation): no restriction. For speeds beyond 240 m/min it is recommended to consult the cable manufacturer
Additional tests	Reversed bending test, torsional stress test



1100 CHERRY ST. • FREEPORT, TX 77541
(979) 233-2667 • 1 (800) 362-5743 • FAX: (979) 373-0023
WWW.PORTFREEPORT.COM

**COMMISSIONERS
TRAVEL ARRANGEMENTS
April 2022**

NWC Legislative Summit

April 24-26, 2022

Washington, DC

Hotel: JW Marriott Washington, DC

\$433-\$458/night

Registration Fee: \$450

Saathoff, Singhanian, Santos