

HPD UNIQUE IDENTIFIER: 24858

CLASSIFICATION: 27 10 00 Structured Cabling

PRODUCT DESCRIPTION: This HPD covers the Superior Essex 4-Pair plenum FEP Jacketed Category 6 copper cable. FEP Jacketed Category 6 Plenum is designed for high-risk applications such as chemical processing plants, petroleum refineries, and temperature extremes. Employing the latest polymer technology, FEP Jacketed Category 6 Plenum is constructed entirely of chemical, oil, heat, and moisture resistant FEP fluoropolymer. It is ideally suited for industrial UTP applications where severe environmental stresses would compromise standard PVC plenum cables. Additionally, the cable is specially processed to ensure a more durable print legend.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	Considered in 4 of 4 Materials	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

COPPER [COPPER LT-P1 | AQU] FEP [FLUORINATED ETHYLENE PROPYLENE LT-UNK] FEP JACKET [FLUORINATED ETHYLENE PROPYLENE LT-UNK] COLOR CHIP [FLUORINATED ETHYLENE PROPYLENE LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED BM-1 | RES | CAN UNDISCLOSED LT-UNK UNDISCLOSED BM-1 | CAN UNDISCLOSED BM-1 | RES | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED BM-1 | CAN UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-1 | CAN UNDISCLOSED LT-1 | RES | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This product is not considered identified due to the proprietary nature of some chemicals within the product's formulation.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Not Applicable

LCA: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-05-19

PUBLISHED DATE: 2021-05-19

EXPIRY DATE: 2024-05-19

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpdc-collaborative.org/hpd-2-2-standard

COPPER

#: 45.0000 - 50.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on provided supplier documentation.

OTHER MATERIAL NOTES: This HPD covers all Superior Essex cables within the product family. These cables are similar in content and differ in the percentages of some materials. As such, the percent by weight of each material is disclosed as a range to account for these differences in weight across these various cables.

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-19 7:24:56

#: 100.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Conductor

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects

SUBSTANCE NOTES:

FEP

#: 25.0000 - 30.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on provided supplier documentation.

OTHER MATERIAL NOTES: This HPD covers all Superior Essex cables within the product family. These cables are similar in content and differ in the percentages of some materials. As such, the percent by weight of each material is disclosed as a range to account for these differences in weight across these various cables.

FLUORINATED ETHYLENE PROPYLENE

ID: 25067-11-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-19 7:24:57

#: 100.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

FEP JACKET

#: 20.0000 - 25.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on provided supplier documentation.

OTHER MATERIAL NOTES: This HPD covers all Superior Essex cables within the product family. These cables are similar in content and differ in the percentages of some materials. As such, the percent by weight of each material is disclosed as a range to account for these differences in weight across these various cables.

FLUORINATED ETHYLENE PROPYLENE

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-19 7:24:57**

%: **100.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

COLOR CHIP

%: 0.0000 - 1.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on provided supplier documentation.

OTHER MATERIAL NOTES: This HPD covers all Superior Essex cables within the product family. These cables are similar in content and differ in the percentages of some materials. As such, the percent by weight of each material is disclosed as a range to account for these differences in weight across these various cables.

FLUORINATED ETHYLENE PROPYLENE

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-19 7:24:58**

%: **47.0000 - 96.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

%: **0.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	Carcinogenicity
CAN	CA EPA - Prop 65	Carcinogenicity
CAN	IARC	Carcinogenicity
CAN	MAK	Carcinogenicity
CAN	US CDC - Occupational Carcinogens	Carcinogenicity
END	TEDX - Potential Endocrine Disruptor	Endocrine Activity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

%: **0.0000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Respiratory Sensitization
CAN	MAK	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

%: **0.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

%: **0.0000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	Australia - GHS	Carcinogenicity
CAN	Japan - GHS	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

%: **0.0000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Respiratory Sensitization
CAN	MAK	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:19**

#: **0.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	Carcinogenicity
CAN	CA EPA - Prop 65	Carcinogenicity
CAN	IARC	Carcinogenicity
CAN	MAK	Carcinogenicity
CAN	US CDC - Occupational Carcinogens	Carcinogenicity
END	TEDX - Potential Endocrine Disruptor	Endocrine Activity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	Australia - GHS	Carcinogenicity
CAN	Japan - GHS	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	Carcinogenicity
CAN	CA EPA - Prop 65	Carcinogenicity
CAN	IARC	Carcinogenicity
CAN	MAK	Carcinogenicity
CAN	US CDC - Occupational Carcinogens	Carcinogenicity
END	TEDX - Potential Endocrine Disruptor	Endocrine Activity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Respiratory Sensitization
CAN	CA EPA - Prop 65	Carcinogenicity
CAN	IARC	Carcinogenicity
CAN	MAK	Carcinogenicity
CAN	US NIH - Report on Carcinogens	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:18**

#: **0.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:17**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	Carcinogenicity
CAN	CA EPA - Prop 65	Carcinogenicity
CAN	IARC	Carcinogenicity
CAN	MAK	Carcinogenicity
CAN	US CDC - Occupational Carcinogens	Carcinogenicity
END	TEDX - Potential Endocrine Disruptor	Endocrine Activity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-05-18 17:52:17**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogenicity

SUBSTANCE NOTES: The percent by weight of the substance is disclosed as a range based on provided supplier documentation. This substance is considered proprietary by the supplier.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Not Applicable		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Hoisington, Kansas, USA CERTIFICATE URL:	ISSUE DATE: 2021-05-19	EXPIRY DATE:	CERTIFIER OR LAB: Not Applicable
CERTIFICATION AND COMPLIANCE NOTES: There is no emissions scenario under the current version of CDPH Standard Method V1.2 (Section 01350/CHPS) for this product.			

LCA	Environmental Product Declaration		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Hoisington, Kansas, USA CERTIFICATE URL: https://superioressexcommunications.com/sustainable-product-certifications/	ISSUE DATE: 2019-10-01	EXPIRY DATE: 2024-10-01	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES:			

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

POLYESTER PULL STRING	HPD URL: no hpd available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Installers use wire pulling string as a safe means of pulling wire and cable in the installation. When using proper pulling string, it is possible to install cable without harming the installer or the product.	

Section 5: General Notes

This HPD covers all Superior Essex cables within the Category 6 with FEP Jacket (4-Pair Plenum Copper Cable) product family. These cables are similar in content and differ in the percentages of some materials. The content differences between these cables accounts for 10% or less of the total mass of each cable.

MANUFACTURER INFORMATION

MANUFACTURER: Superior Essex
ADDRESS: 5770 Powers Ferry Road
 Suite 400
 Atlanta GA 30327, USA
WEBSITE: <https://superioressexcommunications.com/>

CONTACT NAME: Annie Bevan
TITLE: Global Head of sustainability
PHONE: 770-657-6000
EMAIL: annie.bevan@spsx.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.