

Name Superior Essex 4-Pair Plenum Copper Cables: 10Gain XP Category 6A, 10Gain Category 6A, Category 6A ScTP (F/UTP), Category 6+ ScTP (F/UTP), Category 6A



Product ID 6H-272-xB, 6A-272-xB, 6F-272-xB/6F-273-xB, 6T-272-xB, 6B-272-xB
Classification 27 10 00.00 Communications: Structured Cabling
Website www.ce.superioressex.com

Manufacturer Address Superior Essex
 6120 Powers Ferry Road
 Suite 150
 Atlanta, GA 30339
 United States
Contact Name Steve Born
Title Sr. Applications Engineer, LEED AP BD+C
Phone 770-657-6000
Email steve.born@spsx.com

Description This HPD covers the Superior Essex 4-Pair plenum copper cables including:
 10Gain XP Category 6A - CMP: Part Number: 6H-272-xB
 10Gain Category 6A - CMP: Part number: 6A-272-xB
 Category 6A ScTP (F/UTP) - CMP: Part number: 6F-272-xB/6F-273-xB
 Category 6+ ScTP (F/UTP) - CMP: Part number: 6T-272-xB
 Category 6A - CMP: 6B-272-xB

Release Date 2014-07-15
Expiry Date 2017-07-15
HPD URL <https://tool.hpdcollaborative.org/uploads/files/hpds/211/1369-20140715101222.pdf>

Self-declared
 Second Party
 Third Party

Certifier
Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure
 Measured 100 ppm (ideal)
 Measured 1000 ppm
 Predicted by process chemistry
 As per MSDS (1,000 & 10,000 ppm)
 Not disclosed
 Other

Full Disclosure of Intentional Ingredients Yes No
Full Disclosure of Known Hazards Yes No
Disclosure Notes

Contents in Descending Order of Quantity

COPPER , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , POLYVINYL CHLORIDE (PVC) , Unknown , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , Unknown , Unknown , Unknown , Unknown , POLYETHYLENE TEREPHTHALATE (PET) , ALUMINUM COMPOUNDS , ALUMINUM COMPOUNDS , Unknown , COPPER COMPOUNDS , POLYESTER , Unknown , POLYESTER , Unknown , Unknown , Unknown , Unknown , Titanium dioxide , POLYVINYL CHLORIDE (PVC) , Unknown , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene , POLYVINYL CHLORIDE (PVC) , POLYVINYL CHLORIDE (PVC) , LIMESTONE; CALCIUM CARBONATE , LIMESTONE; CALCIUM CARBONATE , BARIUM COMPOUNDS , ZINC COMPOUNDS , LIMESTONE; CALCIUM CARBONATE , POLYVINYL CHLORIDE (PVC) , Unknown , Bis(2-ethylhexyl) terephthalate , Bis(2-ethylhexyl) terephthalate , Bis(2-ethylhexyl) terephthalate , Bis(2-ethylhexyl) terephthalate , C.I. pigment brown 33 , C.I. pigment green 50 , bismuth vanadium tetraoxide , C.I. Pigment Blue 28 , Boron nitride (BN) , Titanium dioxide , PHTHALOCYANINE GREEN , C.I. PIGMENT BLUE 15 , KAOLIN CLAY , TIN COMPOUNDS , INORGANIC , 2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-M-EHYLPHENYL)-3-OXOBUTYRAMIDE) , Titanium dioxide , C.I. Pigment Blue 28 , CALCIUM STEARATE , C.I. Pigment Green 36 , C.I. PIGMENT BLUE 15 , CARBON BLACK , C.I. pigment blue 36 , Anthra[2,1,9-def:6,5,10-d'e'f] diisoquinoline-1,3,8,10(2H,9H)-tetrone, 2,9-bis[4-(phenylazo)phenyl]- , 2-NAPHTHALENECARBOXYLIC ACID, 4-((5-CHLORO-4-METHYL-2-SULFOPHENYL)AZO)-3-HYDROXY-, CALCIUM SALT (1:1) (9CI) , CARBON BLACK , STEARIC ACID , CARBON BLACK , CARBON BLACK , CALCIUM STEARATE , CALCIUM STEARATE , VINYL CHLORIDE (VCM)

Hazards
 PBT (Persistent Bioaccumulative Toxic)
 Cancer
 Gene Mutation
 Development
 Reproductive
 Endocrine
 Respiratory

Highest concern GreenScreen score - List Translator Benchmark 1
 Neurotoxicity
 Mammal
 Skin or Eye
 Aquatic toxicity
 Land toxicity
 Physical hazard
 Global warming
 Ozone depletion
 Multiple
 Unknown

Total VOC Content

Material (g/L)	N/A	Does the product contain exempt VOCs?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Regulatory (g/L)	N/A	Are there VOC-free tints available?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Notes

Certifications + Compliance

VOC Emissions	Not tested	VOC Content	N/A
Multi-attribute	Environmental Claims Verification		

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
COPPER	7440-50-8	31 - 37.65 %	LT-P1	N	N	electrical conductor
None found	No warnings found on HPD Priority lists					
This material ranges in weight among the five products disclosed in this declaration.						
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	18.46 - 21.65 %	LT-U	N	N	FEP Wire Insulation: polymer
None found	No warnings found on HPD Priority lists					
POLYVINYL CHLORIDE (PVC)	9002-86-2	6.92 - 14.94 %	LT-U	N	N	Plenum Jacket: Jacketing polymer
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Range varies based on information from supplier.						
Unknown	Unknown	5.77 - 14.94 %	LT-U	N	N	Plenum Jacket: flame retardant
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
The material is proprietary; however, health impacts associated with this ingredient has been disclosed.						
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	5.56 - 11.74 %	LT-U	PI	N	FEP Cross-web separator: polymer
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	0.69 - 5.6 %		N	N	Plenum Jacket: plasticizer
Unknown	Not disclosed by supplier					
This material is proprietary to the supplier however health hazards have been disclosed.						

Unknown	Unknown	0.69 - 2.61 %	LT-1	N	N	Plenum Jacket: plasticizer
PBT	EU PBT: Fulfills PBT criteria - action Deferred					
ENDOCRINE	OSPAR: Endocrine disruptor - Chemical for Priority Action					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material is proprietary to the supplier however health hazards have been disclosed.						
Unknown	Unknown	0.46 - 3.73 %		N	N	Plenum Jacket: charring agent
Unknown	Not disclosed by supplier					
This material is proprietary to the supplier however health hazards have been disclosed.						
Unknown	Unknown	0.23 - 3.73 %	LT-1	N	N	Plenum Jacket: flame retardant
PBT	EU PBT: Fulfills PBT criteria - action Deferred					
ENDOCRINE	OSPAR: Endocrine disruptor - Chemical for Priority Action					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
POLYETHYLENE TEREPHTHALATE (PET)	25038-59-9	0.14 - 0.2 %	LT-U	N	N	Rip cord: thread
None found	No warnings found on HPD Priority lists					
Range provided by supplier						
ALUMINUM COMPOUNDS		0 - 4.62 %	LT-U	N	N	Segmented Tape Shield: tape shield
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
ALUMINUM COMPOUNDS		0 - 3.91 %	LT-U	N	N	Aluminum Foil Tape Shield: shield
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Unknown	Unknown	0 - 3.73 %		N	N	Plenum Jacket: flame retardant
Unknown	Not disclosed by supplier					
This material is proprietary to the supplier however health hazards have been disclosed.						
COPPER COMPOUNDS		0 - 2.86 %	LT-1	N	N	Drain Wire: conductor
DEVELOPMENTAL	Prop 65: Developmental toxicity					
POLYESTER	113669-95-7	0 - 1.67 %		N	N	Aluminum Foil Tape Shield: coating
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	0 - 1.49 %		N	N	Plenum Jacket: Stabilizer
Unknown	Not disclosed by supplier					
The material is proprietary; however, health impacts associated with this ingredient has been disclosed.						
POLYESTER	113669-95-7	0 - 1.44 %		N	N	Segmented Tape Shield: coating

None found	No warnings found on HPD Priority lists					
Unknown	Unknown	0 - 1.12 %	LT-U	N	N	Plenum Jacket: filler
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This material is proprietary by the supplier; however, known health hazards are disclosed.						
Unknown	Unknown	0 - 0.83 %		N	N	FEP Wire Insulation: Process Aid
Unknown	Not disclosed by supplier					
This constituent is proprietary to the supplier; however the health hazards have been reviewed by the supplier and there were no warnings found on the HPD Priority lists.						
Unknown	Unknown	0 - 0.75 %	LT-P1	N	N	Plenum Jacket: filler
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
Unknown	Unknown	0 - 0.75 %	LT-P1	N	N	Plenum Jacket: flame retardant
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
Unknown	Unknown	0 - 0.56 %	LT-1	N	N	Plenum Jacket: flame retardant
CANCER	Prop 65: Cancer					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
MULTIPLE	EPA Action: TSCA Work Plan chemical - Action Plan in development					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
Titanium dioxide	13463-67-7	0 - 0.41 %	LT-1	N	N	White 369: pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.39 %	LT-U	N	N	Blue 5152: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Unknown	Unknown	0 - 0.37 %	LT-P1	N	N	Plenum Jacket: flame retardant
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.34 %	LT-U	N	N	Brown 4052: carrier resin
None found	No warnings found on HPD Priority lists					

1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.34 %	LT-U	N	N	Orange 4055: carrier resin
None found	No warnings found on HPD Priority lists					
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.34 %	LT-U	N	N	White 4062: carrier resin
None found	No warnings found on HPD Priority lists					
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.34 %	LT-U	N	N	Blue 4064: carrier resin
None found	No warnings found on HPD Priority lists					
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.34 %	LT-U	N	N	Green 4063: carrier resin
None found	No warnings found on HPD Priority lists					
POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.32 %	LT-U	N	N	Green 580: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.3 %	LT-U	N	N	Blue 115: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.29 %	LT-U	N	N	Blue 115: extender pigment
None found	No warnings found on HPD Priority lists					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.26 %	LT-U	N	N	Green 580: extender pigment
None found	No warnings found on HPD Priority lists					
BARIUM COMPOUNDS		0 - 0.22 %	LT-U	N	N	FEP Wire Insulation: additive
None found	No warnings found on HPD Priority lists					
ZINC COMPOUNDS		0 - 0.22 %	LT-U	N	N	FEP Wire Insulation: additive
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.2 %	LT-U	N	N	Blue 5152: extender pigment
None found	No warnings found on HPD Priority lists					

POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.2 %	LT-U	N	N	White 369: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Unknown	Unknown	0 - 0.19 %		N	N	Plenum Jacket: lubricant
Unknown	Not disclosed by supplier					
This material is proprietary by the supplier; however, known health hazards have been disclosed.						
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.18 %	LT-U	N	N	Blue 5152: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.17 %	LT-U	N	N	Blue 115: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.15 %	LT-U	N	N	Green 580: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.14 %	LT-U	N	N	White 369: plasticizer
None found	No warnings found on HPD Priority lists					
C.I. pigment brown 33	68186-88-9	0 - 0.13 %	LT-U	N	N	Brown 4052: pigment
None found	No warnings found on HPD Priority lists					
C.I. pigment green 50	68186-85-6	0 - 0.13 %	LT-U	N	N	Green 4063: pigment
None found	No warnings found on HPD Priority lists					
bismuth vanadium tetraoxide	14059-33-7	0 - 0.13 %	LT-U	N	N	Orange 4055: pigment
None found	No warnings found on HPD Priority lists					
C.I. Pigment Blue 28	1345-16-0	0 - 0.13 %	LT-U	N	N	Blue 4064: pigment
None found	No warnings found on HPD Priority lists					
Boron nitride (BN)	10043-11-5	0 - 0.12 %	LT-U	PC	N	FEP Cross-web separator: process aid
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	0 - 0.09 %	LT-1	N	N	White 4062: pigment

CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
PHTHALOCYANINE GREEN	1328-53-6	0 - 0.08 %	LT-U	N	N	Green 580: pigment
None found	No warnings found on HPD Priority lists					
C.I. PIGMENT BLUE 15	147-14-8	0 - 0.05 %	LT-U	N	N	Blue 115: pigment
None found	No warnings found on HPD Priority lists					
KAOLIN CLAY	1332-58-7	0 - 0.05 %	LT-U	N	N	White 369: pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
TIN COMPOUNDS, INORGANIC		0 - 0.03 %		N	N	Drain Wire: corrosion resistance
None found	No warnings found on HPD Priority lists					
2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-M-EHYLPHENYL)-3-OXOBUTYRAMIDE)	5468-75-7	0 - 0.02 %	LT-U	N	N	Green 580: pigment
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	0 - 0.02 %	LT-1	N	N	Blue 4064: pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
C.I. Pigment Blue 28	1345-16-0	0 - 0.01 %	LT-U	N	N	White 4062: pigment
None found	No warnings found on HPD Priority lists					
CALCIUM STEARATE	1592-23-0	0 - 0.01 %	LT-U	N	N	White 369: thermal stabilizer
None found	No warnings found on HPD Priority lists					
C.I. Pigment Green 36	14302-13-7	0 - 0.01 %	LT-U	N	N	Blue 5152: pigment
None found	No warnings found on HPD Priority lists					
C.I. PIGMENT BLUE 15	147-14-8	0 - 0.01 %	LT-U	N	N	Blue 5152: pigment
None found	No warnings found on HPD Priority lists					
CARBON BLACK	1333-86-4	0 - 0.01 %	LT-1	N	N	Brown 4052: pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					

C.I. pigment blue 36	68187-11-1	0 - 0.01 %	LT-U	N	N	Blue 4064: pigment
None found	No warnings found on HPD Priority lists					
Anthra[2,1,9-def:6,5,10-d'e'f] diisoquinoline-1,3,8,10(2H,9H)-tetrone, 2,9-bis[4-(phenylazo)phenyl]-	3049-71-6	0 - 0.01 %	LT-U	N	N	Orange 4055: pigment
None found	No warnings found on HPD Priority lists					
2-NAPHTHALENECARBOXYLIC ACID, 4-((5-CHLORO-4-METHYL-2-SULFOPHENYL)AZO)-3-HYDROXY-, CALCIUM SALT (1:1) (9CI)	7023-61-2	0 %	LT-U	N	N	Blue 115: pigment
None found	No warnings found on HPD Priority lists					
CARBON BLACK	1333-86-4	0 %	LT-1	N	N	Blue 5152: pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
carbon black is encapsulated within the resin matrix. There is no exposure to unbound or airborne particles of carbon black during normal handling and use of this product						
STEARIC ACID	57-11-4	0 %	LT-U	N	N	Blue 5152: pigment processing aid
None found	No warnings found on HPD Priority lists					
CARBON BLACK	1333-86-4	0 %	LT-1	N	N	UV Strong Process Black Ink: colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
CARBON BLACK	1333-86-4	0 %	LT-1	N	N	UV Strong Process Black Ink: colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
CALCIUM STEARATE	1592-23-0	0 %	LT-U	N	N	Green 580: thermal stabilizer
None found	No warnings found on HPD Priority lists					
CALCIUM STEARATE	1592-23-0	0 %	LT-U	N	N	Blue 115: thermal stabilizer
None found	No warnings found on HPD Priority lists					
VINYL CHLORIDE (VCM)	75-01-4	R	LT-1			Monomer
CANCER	IARC: Group 1: Agent is carcinogenic to humans (also in NTP-RoC, EPA-C, EU CMR (1), EU R-Phrases, EU H-Statements, Prop 65, NIOSH-C, MAK, EU CMR (2))					
FLAMMABLE	EU H-Statements: H220 Extremely flammable gas.					
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in					

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Multi-attribute	Environmental Claims Verification			UL Environment Inc.
	3rd party independent certification	2014-06-06	2019-06-06	productguide.ulenvironment.com/productDocuments/1906/15/101.1_EPD_Superior%20Essex_Plenum_20140606.pdf
	Hoisington, Kansas			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	

NOTES

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, Pennsylvania on behalf of Superior Essex.