

Name Superior Essex 4-Pair Plenum Copper Cables: Category 6A STP (U/FTP), Category 5e+ ScTP (F/UTP)



Product ID 6S-220-xB, 5F-220-x8 **Classification** 27 10 00.00 Communications: Structured Cabling

Website www.ce.superioressex.com

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Description This HPD covers the Superior Essex 4-Pair plenum copper cables including:

- Category 6A STP (U/FTP) - CMP: Part number: 6S-220-xB
- Category 5e+ ScTP (F/UTP) - CMP: Part number: 5F-220-x8

Release Date 2014-07-15 Self-declared

Expiry Date 2017-07-15 Second Party **Certifier**

HPD URL <https://tool.hpdcollaborative.org/uploads/files/hpds/211/1370-20140715101420.pdf> Third Party **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, ALUMINUM COMPOUNDS, COPPER COMPOUNDS, POLYESTER, Unknown, Unknown, Unknown, Unknown, POLYETHYLENE TEREPHTHALATE (PET), Unknown, Unknown, Unknown, Unknown, Unknown, 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, Titanium dioxide, POLYVINYL CHLORIDE (PVC), Unknown, BARIUM COMPOUNDS, ZINC COMPOUNDS, POLYVINYL CHLORIDE (PVC), POLYVINYL CHLORIDE (PVC), LIMESTONE; CALCIUM CARBONATE, LIMESTONE; CALCIUM CARBONATE, C.I. Pigment Blue 28, C.I. pigment green 50, LIMESTONE; CALCIUM CARBONATE, C.I. pigment brown 33, POLYVINYL CHLORIDE (PVC), bismuth vanadium tetraoxide, Unknown, Bis(2-ethylhexyl) terephthalate, Bis(2-ethylhexyl) terephthalate, Bis(2-ethylhexyl) terephthalate, Titanium dioxide, PHTHALOCYANINE GREEN, TIN COMPOUNDS, INORGANIC, C.I. PIGMENT BLUE 15, KAOLIN CLAY, Titanium dioxide, C.I. pigment blue 36, C.I. PIGMENT BLUE 15, C.I. Pigment Blue 28, C.I. Pigment Green 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]-, 2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-M-EHYLPHENYL)-3-OXOBUTYRAMIDE), CARBON BLACK, CALCIUM STEARATE, STEARIC ACID, CALCIUM STEARATE, CARBON BLACK, CALCIUM STEARATE, CARBON BLACK, 2-NAPHTHALENECARBOXYLIC ACID, 4-((5-CHLORO-4-METHYL-2-SULFOPHENYL)AZO)-3-HYDROXY-, CALCIUM SALT (1:1) (9CI), VINYL CHLORIDE (VCM)

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

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

Total VOC Content

Material (g/L) N/A **Does the product contain exempt VOCs?** N/A Yes No

Regulatory (g/L) N/A **Are there VOC-free tints available?** N/A Yes 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	24.94 - 37.04 %	LT-P1	N	N	electrical conductor
None found	No warnings found on HPD Priority lists					
This material ranges in weight between the two product disclosed in this declaration.						
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	22.62 - 27.75 %	LT-U	N	N	FEP Wire Insulation: polymer
None found	No warnings found on HPD Priority lists					
POLYVINYL CHLORIDE (PVC)	9002-86-2	8.55 - 12.77 %	LT-U	N	N	Plenum Jacket: Jacketing polymer
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Range varies based on information from supplier.						
Unknown	Unknown	7.13 - 12.77 %	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.						
ALUMINUM COMPOUNDS		4.84 - 9.07 %	LT-U	N	N	Aluminum Foil Tape Shield: shield
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
COPPER COMPOUNDS		2.25 - 3.76 %	LT-1	N	N	Drain Wire: conductor
DEVELOPMENTAL	Prop 65: Developmental toxicity					

POLYESTER	113669-95-7	2.07 - 3.89 %		N	N	Aluminum Foil Tape Shield: coating
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	0.86 - 4.79 %		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	0.86 - 2.23 %	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	0.57 - 3.19 %		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	0.29 - 3.19 %	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	0.13 - 0.26 %	LT-U	N	N	Rip cord: thread
None found	No warnings found on HPD Priority lists					
Range provided by supplier						
Unknown	Unknown	0 - 3.19 %		N	N	Plenum Jacket: flame retardant
Unknown	Not disclosed by supplier					
This material is proprietary to the supplier however health hazards have been disclosed.						
Unknown	Unknown	0 - 1.28 %		N	N	Plenum Jacket: Stabilizer
Unknown	Not disclosed by supplier					
The material is proprietary; however, health impacts associated with this ingredient has been disclosed.						
Unknown	Unknown	0 - 1.07 %		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 - 0.96 %	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 - 0.64 %	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 - 0.64 %	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 - 0.48 %	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.						
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene	25067-11-2	0 - 0.45 %	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 - 0.45 %	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 - 0.45 %	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 - 0.45 %	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 - 0.45 %	LT-U	N	N	Green 4063: carrier resin
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	0 - 0.35 %	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 - 0.33 %	LT-U	N	N	Blue 5152: carrier resin

RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Unknown	Unknown	0 - 0.32 %	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.						
BARIUM COMPOUNDS		0 - 0.28 %	LT-U	N	N	FEP Wire Insulation: additive
None found	No warnings found on HPD Priority lists					
ZINC COMPOUNDS		0 - 0.28 %	LT-U	N	N	FEP Wire Insulation: additive
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.27 %	LT-U	N	N	Green 580: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.26 %	LT-U	N	N	Blue 115: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.24 %	LT-U	N	N	Blue 115: extender pigment
None found	No warnings found on HPD Priority lists					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.22 %	LT-U	N	N	Green 580: extender pigment
None found	No warnings found on HPD Priority lists					
C.I. Pigment Blue 28	1345-16-0	0 - 0.17 %	LT-U	N	N	Blue 4064: pigment
None found	No warnings found on HPD Priority lists					
C.I. pigment green 50	68186-85-6	0 - 0.17 %	LT-U	N	N	Green 4063: pigment
None found	No warnings found on HPD Priority lists					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	0 - 0.17 %	LT-U	N	N	Blue 5152: extender pigment
None found	No warnings found on HPD Priority lists					
C.I. pigment brown 33	68186-88-9	0 - 0.17 %	LT-U	N	N	Brown 4052: pigment
None found	No warnings found on HPD Priority lists					

POLYVINYL CHLORIDE (PVC)	9002-86-2	0 - 0.17 %	LT-U	N	N	White 369: carrier resin
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
bismuth vanadium tetraoxide	14059-33-7	0 - 0.17 %	LT-U	N	N	Orange 4055: pigment
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	0 - 0.16 %		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 - 0.15 %	LT-U	N	N	Blue 5152: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.14 %	LT-U	N	N	Blue 115: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.13 %	LT-U	N	N	Green 580: plasticizer
None found	No warnings found on HPD Priority lists					
Bis(2-ethylhexyl) terephthalate	6422-86-2	0 - 0.12 %	LT-U	N	N	White 369: plasticizer
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	0 - 0.11 %	LT-1	N	N	White 4062: pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
PHTHALOCYANINE GREEN	1328-53-6	0 - 0.06 %	LT-U	N	N	Green 580: pigment
None found	No warnings found on HPD Priority lists					
TIN COMPOUNDS, INORGANIC		0 - 0.04 %		N	N	Drain Wire: corrosion resistance
None found	No warnings found on HPD Priority lists					
C.I. PIGMENT BLUE 15	147-14-8	0 - 0.04 %	LT-U	N	N	Blue 115: pigment
None found	No warnings found on HPD Priority lists					
KAOLIN CLAY	1332-58-7	0 - 0.04 %	LT-U	N	N	White 369: pigment

CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
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 36	68187-11-1	0 - 0.01 %	LT-U	N	N	Blue 4064: 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					
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					
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					
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					
2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-M-EHYLPHENYL)-3-OXOBUTYRAMIDE)	5468-75-7	0 - 0.01 %	LT-U	N	N	Green 580: 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)					
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					
STEARIC ACID	57-11-4	0 %	LT-U	N	N	Blue 5152: pigment processing aid
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						
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							
CALCIUM STEARATE	1592-23-0	0 %	LT-U	N	N	Green 580: thermal stabilizer	
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)						
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						
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 VwVwS)						

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