



Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Lighting / Automation Composite Cable, Plenum 1392P: 2C18 + 2C22 FS O/A Jacket 1385LP: 2C18 + 2C22 FS O/A Jacket 1386LP: 2C12 + 2C22 FS + 1C18 O/A Jacket
For the Products	1392Pxxx, 1385LPxxx, 1386LPxxx
Certification Period	April 2017-April 2019
Assessor	MBDC basis methodology v3.1*



Qualifications

- LEED BPDO Credit: Material Ingredients Option 1 Qualifies for as 1 product
- LEED BPDO Credit: Material Ingredients Option 2 Qualifies for 100% of cost

Other Achievements



MATERIALS / INGREDIENTS INFORMATION

Disclosure Level: 100 ppm 1000 ppm

The following table represents the top 90% of the material ingredient disclosure and ratings. For the full ingredient disclosure information, please see the table on the reverse side.

Materials	Result			
	Supply Chain/ MFG	Install	Use	End of Use
Copper				
FEP	I,D			I,D
Proprietary				
PVC	I,D			I,D
Flame Retardant				
Proprietary	I,D			I,D
Proprietary	I,D			I,D
Plasticizer				
Tinned Copper				

Exposure Indicator

D = Dermal, Skin
I = Inhalation, air
O = Oral, mouth

*No Indicator means no potential exposure scenario identified

Color Ratings

	Low or mild hazard identified and/or potential exposure
	Moderate hazard identified and/or potential exposure
	Problematic concern found. The combination of the hazard and potential exposure leads to some caution for some uses and/or applications.
	Cannot be fully assessed due to either lack of complete formulation, or lack of toxicological information for one or more ingredients.
	Highly problematic material containing one or more chemicals classified as CMR and having a plausible route of exposure.

Go to ul.com/spg to view the full, detailed materials ingredient list

www.belden.com

Sustainability@belden.com

1-800-BELDEN1



*Methodology based on Cradle to Cradle Certified™ Product Material Health Assessment Methodology v3.1



CERTIFIED

PRODUCT LENS MATERIALS
TRANSPARENCY AND
DISCLOSURE.
VIEW SPECIFIC INGREDIENTS
AND EVALUATIONS:
UL.COM/PL

Product Lens

a materials health assessment

Material	CAS Number	Role	%					Comment
				MFG	Install	Use	End of Use	
Copper	7440-50-8	Conductor	38-65					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
FEP	25067-11-2	Insulation	0-23	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Proprietary	Proprietary	Filler	0-17					Respiratory irritant. Low risk once incorporated into the finished product.
PVC	9002-86-2	Jacket/ Insulation	8-15	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Flame Retardant	Proprietary	Jacket/ Insulation	5.7-10					Some chronic toxicity concerns, but little risk as used in this product.
Proprietary	Proprietary	Insulation	0-5.5	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Proprietary	Proprietary	Insulation	0-5.5	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Plasticizer	Proprietary	Jacket/ Insulation	0-5					Acceptable for use in all product phases
Tinned Copper		Conductor	0-5					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
Proprietary	Proprietary	Jacket/ Insulation	0-2	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Proprietary	Proprietary	Jacket/ Insulation	0-1.5					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0.05-1.0					Little to no risk across all product phases
PET	25038-59-9	Tape/ Ripcord	0.8-1.2					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-0.8					CMR - reproductive toxin.
Flame Retardant	Proprietary	Jacket	0-0.8					CMR - reproductive toxin.
Proprietary	Proprietary	Jacket	0-0.8					Little to no risk across all product phases
Aluminum	7429-90-5	Shield Tapes	0.6-0.9					Some neurotoxicity concerns, but little risk as used in this product.
Proprietary	Proprietary	Jacket/ Insulation	0-0.7					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.4-0.6					Little to no risk across all product phases
Calcium Carbonate	1317-65-3	Various components	0-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0.1-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0.2-0.4	D				Severe damage to eyes possible during manufacturing phase; little to no risk across all other phases.
Proprietary	Proprietary	Jacket/ Insulation	0.1-0.3					High aquatic toxicity so care should be taken during the manufacturing and end of use phases to keep this substance out of the environment
Flame Retardant	Proprietary	Jacket/ Insulation	<0.1					Suspected human carcinogen - (CA Prop 65, IARC Group 2B, MAK Group 2)
Proprietary	Proprietary	Jacket/ Insulation	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Various components	<0.05					Little to no risk across all product phases
Yellow Pigment	Proprietary	Colorant	<0.05					Little to no risk across all product phases
Red pigment	Proprietary	Colorant	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	<0.05					Suspected human carcinogens (IARC 2B, MAK 2)
Adhesive	Unknown	Tape	<0.05	D				Strong eye irritant. Care should be used during manufacture but once adhesive is fully reacted should be low risk in remaining product phases

	Low or mild hazard identified and/or potential exposure
	Moderate hazard identified and/or potential exposure
	Problematic concern found. The combination of the hazard and potential exposure leads to some caution for some uses and/or applications.
	Cannot be fully assessed due to either lack of complete formulation, or lack of toxicological information for one or more ingredients.
	Highly problematic material containing one or more chemicals classified as CMR and having a plausible route of exposure.

