



# Product Lens

a materials health assessment

## COMPANY AND PRODUCT INFO

<b>Issued to</b>	<b>Belden</b>
<b>Description</b>	<b>Lighting / Automation Cable, Non-Plenum Stranded Bare Copper Conductors 2C22 FS + 2C18</b>
<b>For the Products</b>	1392Axxx
<b>Certification Period</b>	April 2017-April 2019
<b>Assessor</b>	<b>MBDC</b> 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
Tinned Copper	Yellow	Green	Green	Yellow
PVC	Red (I,D)	Yellow	Yellow	Red (I,D)
Calcium Carbonate	Green	Green	Green	Green
Plasticizer	Black	Black	Black	Black
Polyolefin	Green	Green	Green	Green
Proprietary	Yellow	Green	Green	Green
Flame Retardant	Black	Black	Black	Black
Proprietary	Green	Green	Green	Green
Proprietary	Green	Green	Green	Green

### Exposure Indicator

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

\*No Indicator means no potential exposure scenario identified

### Color Ratings

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

Go to [ul.com/spg](http://ul.com/spg) to view the full, detailed materials ingredient list

[www.belden.com](http://www.belden.com)

[Sustainability@belden.com](mailto: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

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Material	CAS Number	Role	%					Comment
				MFG	Install	Use	End of Use	
Tinned Copper		Conductor	39-43					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
PVC	9002-86-2	Various components	22-26	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Calcium Carbonate	1317-65-3	Various components	9-11					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	7-7.5					CMR - Reproductive toxin (CA Prop 65)
Polyolefin	Proprietary	Insulation	4.5-5.0					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	4.0-4.5					Some chronic toxicity concerns, but little risk as used in this product.
Flame Retardant	Proprietary	Jacket/ Insulation	2.0-2.5					Suspected human carcinogen (CA Prop 65, IARC Group 2B, MAK Group 2)
Proprietary	Proprietary	Jacket	1.4-2.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	1.0-1.5					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	1.0-1.5					Little to no risk across all product phases
PET	25038-59-9	Tapes/ Ripcord	0.8-1.2					Little to no risk across all product phases
Aluminum	7429-90-5	Tape	0.6-0.8					Some neurotoxicity concerns, but little risk as used in this product.
Proprietary	Proprietary	Jacket	0.5-0.7					Little to no risk across all product phases
Proprietary	Proprietary	Various components	0-0.6					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.5-0.7	D	D	D	D	Skin sensitization and aquatic toxicity concerns, however should be acceptable across all product stages.
Proprietary	Proprietary	Jacket	0.2-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	0-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.1-0.3					Little to no risk across all product phases
Titanium Dioxide	13463-67-7	Various components	0.8-0.12					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Various components	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Various colorants	<0.05					CMR -suspected endocrine disruptor and potential reproductive toxicant (CA Prop 65)
Proprietary	Proprietary	Tape Adhesive	<0.05	I,D				Contains monomer which is a strong sensitizer of the skin and airways and a CMR. However, the risk is acceptable in the other phases after the adhesive is fully cured.
Proprietary	Proprietary	Tape Adhesive	<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
Proprietary	Proprietary	Insulation	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	<0.05	I				Respiratory sensitizer. Risk during manufacture, but acceptable for use in other phases.
Proprietary	Proprietary	Insulation	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	<0.05					Little to no risk across all product phases

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	Moderate hazard identified and/or potential exposure
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	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.

