



# Product Lens

a materials health assessment

## COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Security / Alarm Cable, Non-Plenum Stranded Bare Copper Conductors, 18 AWG 20 Conductors, Unshielded
For the Products	530BUExxx
Certification Period	April 2017-April 2019
Assessor	<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 99% 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	Yellow	Green	Green	Yellow
PVC	Red (I,D)	Yellow	Yellow	Red (I,D)
Plasticizer	Green	Green	Green	Green
Filler	Green	Green	Green	Green
Plasticizer	Black	Black	Black	Black
Filler	Yellow (I)	Green	Green	Green
Unknown	Grey	Grey	Grey	Grey
Plasticizer	Green	Green	Green	Green
Flame Retardant	Black	Black	Black	Black

### 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)

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\*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	%	MFG	Install	Use	End of Use	Comment
Copper	7440-50-8	Conductor	69-73					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	Jacket/ Insulation/ Colorant	15-18	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Plasticizer	Proprietary	Insulation	4.0-5.0					Little to no risk across all product phases
Filler	Proprietary	Various components	3.2-3.8					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	2.2-2.7					CMR - Reproductive toxin (CA Prop 65)
Filler	Proprietary	Insulation	0.8-1.3	I				Inhalation concerns during manufacturing, but little to no risk during product installation, use and end of use.
Unknown		Filler	0.75-0.85					
Plasticizer	Proprietary	Jacket	0.50-0.60					Little to no risk across all product phases
Flame Retardant	Proprietary	Jacket/ Insulation	0.45-0.55					Suspected human carcinogen (CA Prop 65, IARC Group 2B, MAK Group 2)
Proprietary	Proprietary	Jacket/Insulation	0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/Insulation	0.15					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.08-0.12					Little to no risk across all product phases
PET	25038-59-9	Ripcord	0.08-0.12					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Colorant	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05	D	D	D	D	Skin sensitization and aquatic toxicity concerns, however should be acceptable across all product stages.
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	>0.05	D	D	D	D	Confirmed skin sensitizer, but is acceptable for use across all product phases
Proprietary	Proprietary	Various colorants	>0.05					CMR -suspected endocrine disruptor and potential reproductive toxicant (CA Prop 65)
Processing Aid	Proprietary	Processing Aid	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Various components	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.05					Little to no risk across all 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.

