



Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Access Control Cables, Non-Plenum LSZH Each Cable Foil Shielded, Banana Peel 558ANH: 3P22+2C22+4C22+4C18
For the Products	558ANHxxx
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	Yellow	Green	Green	Yellow
Proprietary	Yellow	Green	Green	Green
Tinned Copper	Yellow	Green	Green	Yellow
Polyolefin 1	Green	Green	Green	Green
Polymer 1	Yellow	Green	Green	Green
Filler	Green	Green	Green	Green
PET	Green	Green	Green	Green
Polymer 2	Yellow	Green	Green	Green
Polymer 3	Yellow	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 to view the full, detailed materials ingredient list

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

Declaration Number: 4787608281.317.1



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	42-47					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	15-18					Some chronic toxicity concerns, but little risk as used in this product.
Tinned Copper		Conductor	42958					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
Polyolefin 1	Proprietary	Insulation	7-8					Little to no risk across all product phases
Polymer 1	Proprietary	Jacket	6.5-7.5					Little risk as used in this product.
Filler	Proprietary	Various components	2.5-3.0					Little to no risk across all product phases
PET	25038-59-9	Tape/ Ripcord	2-2.2					Little to no risk across all product phases
Polymer 2	Proprietary	Jacket	2-2.2					Little risk as used in this product.
Polymer 3	Proprietary	Jacket	2-2.2					Little risk as used in this product.
Polyolefin 2	Proprietary	Jacket	2-2.2					Little to no risk across all product phases
Aluminum	7429-90-5	Tape	1.3-1.6					Some neurotoxicity concerns, but little risk as used in this product
Flame Retardant	Proprietary	Jacket	0.6-0.9					CMR - reproductive toxin.
Polymer 4	Proprietary	Jacket	0.6-0.9					Little risk as used in this product.
Polyolefin 3	Proprietary	Jacket	0.3-0.5					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.3-0.5					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.2-0.3					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.1-0.2					Little to no risk across all product phases
Adhesive	Unknown	Tape	<0.1	LD				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	Jacket	0.1-0.2					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.1					Little to no risk across all product phases
Polyethylene	9002-88-4	Jacket/ Colorant	<0.1					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					Highly toxic to aquatic organisms, however there is limited opportunity for this substance to enter the biosphere.
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
Proprietary	Proprietary	Insulation	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	<0.05	LD			LD	Lifecycle concerns around use of halogens.
Proprietary	Proprietary	Tape Coating	<0.05					Little to no risk across all product phases
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.

