



Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Access Control Cables, Non-Plenum One Cable Shielded, Banana Peel 558GMS: 4C22+4C22+6C22 FS+4C18
For the Products	558GMSxxx
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	Green
PVC	Red (I,D)	Yellow	Yellow	Red (I,D)
Filler	Green	Green	Green	Green
Plasticizer	Black	Black	Black	Black
Tinned Copper	Yellow	Green	Green	Yellow
Plasticizer	Green	Green	Green	Green
Plasticizer	Green	Green	Green	Green
Plasticizer	Green	Green	Green	Green
Proprietary	Yellow (I)	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

www.belden.com

Sustainability@belden.com

1-800-BELDEN1



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

Declaration Number: 4787608281.318.1



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	
Copper	7440-50-8	Conductor	50-59					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	22-27	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Calcium Carbonate	1317-65-3	Various components	7-8					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	5.5-6.5					CMR - Reproductive toxin (CA Prop 65)
Tinned Copper		Conductor	5.5-6.5					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
Plasticizer	Proprietary	Insulation	4.0-4.5					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	1.4-1.9					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	1.0-1.4					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	0.7-1.0	I				Inhalation concerns during manufacturing, but little to no risk during other phases.
Flame Retardant	Proprietary	Jacket/Insulation	0.7-1.0					Suspected human carcinogen (CA Prop 65, IARC Group 2B, MAK Group 2)
PET	25038-59-9	Tape/ Ripcord	0.8-1.1					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	0.35-0.45					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.25-0.35					Little to no risk across all product phases
Aluminum	7429-90-5	Tape	0.2-0.3					Some neurotoxicity concerns, but little risk as used.
Proprietary	Proprietary	Jacket/Insulation	0.1-0.2					Little to no risk across all product phases
Titanium Dioxide	13463-67-7	Various components	0.1-0.2					Little to no risk across all product phases
Processing Aid	Proprietary	Processing Aid	0.08-0.12					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 colorants	<0.1					CMR - suspected endocrine disruptor and potential reproductive toxicant (CA Prop 65)
Adhesive	Proprietary	Tape	<0.1	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	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	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	<0.05	D				Skin sensitization and aquatic toxicity concerns, however at this concentration and in this use 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 at this concentration across all product phases
Adhesive	Proprietary	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
Red pigment	Proprietary	Colorant	<0.05	I.D			I.D	Lifecycle concerns around use of halogenated polymers.

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	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.

