




Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Composite Surveillance Monitoring Cable, Plenum 639948: RG-6 + 2C18 Siamese 649948: RG-59 + 2C18 Siamese 601PTZ: RG-59 + 2C22 FS + 2C18 Banana Peel 602PTZ: RG-59 + 2C18 FS + 2C18 Banana Peel
For the Products	639948xxx, 649948xxx, 601PTZxxx, 602PTZxxx
Certification Period	June 2017- June 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				
Tinned Copper				
PVC	I,D			I,D
Flame Retardant				
Polymer	I,D			I,D
Polymer	I,D			I,D
Polymer	I,D			I,D
Polymer				
Plasticizer				

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

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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/ Braid	0-57					Highly toxic to aquatic organisms; however, this material is acceptable for use across all phases due to limited exposure to biosphere.
Tinned Copper		Conductor	0-48					Highly toxic to aquatic organisms; however, this material is acceptable for use across all phases due to limited exposure to biosphere.
PVC	9002-86-2	Jacket/ Insulation/ Colorants	12-18	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Flame Retardant	Proprietary	Jacket/ Insulation	7.7-13					Some chronic toxicity concerns, but little risk as used in this product.
Polymer	Proprietary	Insulation/ Colorants	0-10	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Polymer	Proprietary	Insulation	0-7.1	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Polymer	Proprietary	Insulation	0-7.1	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Polymer	Proprietary	Insulation	0-7.1					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket/ Insulation	0-6.5					Acceptable for use in all product phases
Proprietary	Proprietary	Jacket/ Insulation	1.6-3.6	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Proprietary	Proprietary	Jacket/ Insulation	1.6-3.2					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-1.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-0.93					Little to no risk across all product phases
PET	25038-59-9	Ripcord/ Tapes	0.56-0.76					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0-0.7					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0.45-0.65					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0-0.6					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0-0.6					Little to no risk across all product phases
Proprietary	Proprietary	Various components	0.21-0.31					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0.18-0.26	D				Severe damage to eyes possible during manufacturing phase; little to no risk across all other phases.
Proprietary	Proprietary	Jacket/ Insulation	0-0.18					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	0-0.17					Suspected human carcinogen - (CA Prop 65, IARC Group 2B, MAK Group 2)
Proprietary	Proprietary	Insulation	0-0.15					CMR - reproductive toxin
Proprietary	Proprietary	Jacket/ Insulation	<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	Various components	<0.1					Little to no risk across all product phases
Proprietary	Proprietary	Shield Tapes	<0.1					Highly toxic to aquatic organisms and can exhibit chronic toxicity in humans.
Proprietary	Proprietary	Jacket/ Insulation	0-0.08					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	0-0.08					CMR - reproductive toxin.
Proprietary	Proprietary	Jacket	0-0.06					Little to no risk across all product phases
Proprietary	Proprietary	Jacket/ Insulation	<0.05					Little to no risk across all product phases
Polyolefin	Proprietary	Colorants	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Colorants	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Colorants	<0.05					CMR -suspected endocrine disruptor and potential reproductive toxicant (CA Prop 65)
Adhesive	Proprietary	Shield Tapes	<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
Adhesive	Proprietary	Shield Tapes	<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	Insulation	0-0.03					High aquatic toxicity so care should be taken during the manufacturing and end of use phases to keep this substance out of the environment

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Proprietary	Proprietary	Insulation	0-0.03	Yellow	Green	Green	Yellow	High aquatic toxicity so care should be taken during the manufacturing and end of use phases to keep this substance out of the environment
Proprietary	Proprietary	Insulation	0-0.03	Green	Green	Green	Green	Little to no risk across all product phases

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