

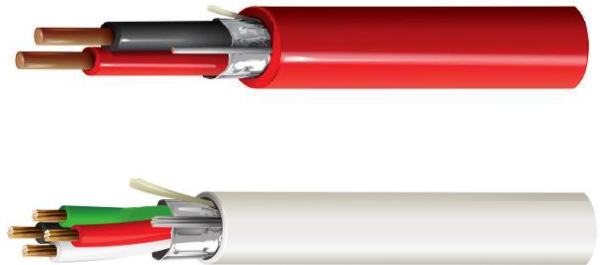


Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	Belden
Description	Security / Fire Alarm Cable, Plenum Bare Copper Conductors, 18 AWG 2 and 4 Conductors, Shielded and Unshielded
For the Products	6302FCxxx, 6320FKxxx, 6320UJxxx
Certification Period	May 2017-May 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				
FEP	I,D			I,D
Tinned Copper				
PVC	I,D			I,D
Flame Retardant				
PET				
Aluminum				
Plasticizer				
Proprietary	I,D			I,D

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	40-76					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure to biosphere.
FEP	25067-11-2	Insulation, colorants	23-26	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Tinned Copper		Conductor	0-12					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure to biosphere.
PVC	9002-86-2	Jacket	6-8	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Flame Retardant	Proprietary	Jacket	4.5-5.5					Some chronic toxicity concerns, but little risk as used in this product.
PET	25038-59-9	Tape, Binder/Ripcord	2.3-2.8					Little to no risk across all product phases
Aluminum	7429-90-5	Tape	1.3-1.8					Some neurotoxicity concerns, but little risk as used in this product
Plasticizer	Proprietary	Jacket	1.3-1.8					Acceptable for use in all product phases
Proprietary	Proprietary	Jacket	0.7-0.9	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Flame Retardant	Proprietary	Jacket	0.6-0.7					CMR - reproductive toxin.
Flame Retardant	Proprietary	Jacket	0.6-0.7					CMR - reproductive toxin.
Proprietary	Proprietary	Jacket	0.6-0.7					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.3-0.4					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	0.1-0.15	D				Severe damage to eyes possible during manufacturing phase little to no risk across all other phases.
Proprietary	Proprietary	Jacket	0.1-0.15					High aquatic toxicity so care should be taken to keep this substance out of the environment
Proprietary	Proprietary	Tape adhesive	>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
Titanium Dioxide	13463-67-7	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
Proprietary	Proprietary	Colorant	>0.05					CMR - suspected endocrine disruptor and potential reproductive toxicant (CA Prop 65)
Red pigment	Proprietary	Colorant	>0.05					CMR,-Carcinogen (CA Prop 65)
Red pigment	Proprietary	Colorant	>0.05	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Proprietary	Proprietary	Colorant	<0.05					Little to no risk across all product phases
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

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