

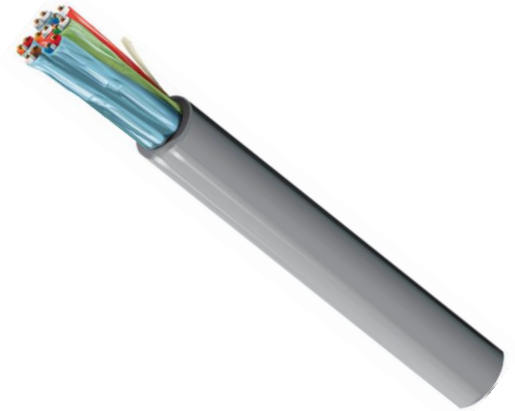


# Product Lens

a materials health assessment

## COMPANY AND PRODUCT INFO

<b>Issued to</b>	<b>Belden</b>
<b>Description</b>	<b>Security / Communication Cable, Plenum Stranded Bare Copper Conductors, 22 AWG 2 to 16 Pairs, Individually Shielded</b>
<b>For the Products</b>	6541PAxxx, 6543PAxxx, 6545PAxxx, 6546PAxxx, 6549PAxxx
<b>Certification Period</b>	April 2017-April 2019
<b>Assessor</b>	<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				
FEP	I,D			I,D
PVDF	I,D			I,D
Tinned Copper				
Aluminum				
Proprietary	I,D			I,D
PET				
Blue Pigment				

### 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](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)

1-800-BELDEN1



\*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	33-42					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
FEP	25067-11-2	Insulation/ Colorant	24-27	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
PVDF	Proprietary	Jacket	18-21	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
Tinned Copper		Conductor	11-15					Some neurotoxicity concerns, but little risk as used in this product
Aluminum	7429-90-5	Shield Tapes	1.5-3.0					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	0.4-0.6	I.D			I.D	Lifecycle concerns around use of halogenated polymers.
PET	25038-59-9	Tape/ Ripcord	0.25-0.35					Little to no risk across all product phases
Blue Pigment	Proprietary	Colorant	0.15-0.25					This pigment is acceptable for use in all product stages.
Adhesive	Proprietary	Tape	<0.1	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	<0.1					Little to no risk across all product phases
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	Colorant	<0.05					Little to no risk across all product phases
Green Pigment	Proprietary	Colorant	<0.05					This pigment is acceptable for use in all product stages.
White Pigment	Proprietary	Colorant	<0.05					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	<0.05					Little to no risk across all product phases
Brown Pigment	Proprietary	Colorant	<0.05					This pigment is acceptable for use in all product stages.
Yellow Pigment	Proprietary	Colorant	<0.05					Little to no risk across all product phases

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	Highly problematic material containing one or more chemicals classified as CMR and having a plausible route of exposure.

