



# Product Lens

a materials health assessment

## COMPANY AND PRODUCT INFO

Issued to	Belden
Description	DataTwist 5e, Riser & CMX-Outdoor Rated DataTwist 3, Riser Rated UTP, 4 pair
For the Products	Part Numbers: 1594Axxx, 1227A1xxx
Certification Period	November 2016- November 2018
Assessor	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 98% 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
PVC	I,D	Yellow	Yellow	I,D
Polyolefin 1	Green	Green	Green	Green
Plasticizer	Black	Black	Black	Black
Flame Retardant	Yellow	Green	Green	Green
FR Plasticizer	I,D	Yellow	Yellow	I,D
Plasticizer	Green	Green	Green	Green
Plasticizer	Green	Green	Green	Green
Flame Retardant	Black	Black	Black	Black

### 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](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	%					Comment
				MFG	Install	Use	End of Use	
Copper	7440-50-8	Conductor	41-45%					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/ Colorant	23-25%	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Polyolefin 1	Proprietary	Insulation	8-9%					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	8-9%					CMR - Reproductive toxin
Flame Retardant	Proprietary	Jacket	7-8%					Some chronic toxicity concerns, but little risk as used in this product.
FR Plasticizer	Proprietary	Jacket	2.0-2.5%	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Plasticizer	Proprietary	Jacket	1.0-1.5%					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	1.0-1.5%					Little to no risk across all product phases
Flame Retardant	Proprietary	Jacket	0.90 - 1.00%					Suspected human carcinogen
Proprietary	Proprietary	Jacket	0.2-0.5%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.2-0.5%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.2-0.4%					Some chronic toxicity issues, but low risk during use phase
Proprietary	Proprietary	Jacket	0.08 - 0.17%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.03 - 0.16%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.07 - 0.14%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.07 - 0.14%					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	0.1-0.15%					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.1-0.15%					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	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	Jacket	>0.1	D	D	D	D	Skin sensitization and aquatic toxicity concerns, however should be acceptable across all product stages.
Proprietary	Proprietary	Jacket	>0.1					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	>0.1					Little to no risk across all product phases
Proprietary	Proprietary	Colorant	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	>0.05					Little to no risk across all product phases
Polyolefin 2	Proprietary	Colorant	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	>0.05					Little to no risk across all product phases
Pigment Blue	Proprietary	Colorant	>0.05					Can catalyze dioxin formation during incineration of PVC.
Proprietary	Proprietary	Colorant	>0.05					CMR - Suspected endocrine disruptor and potential reproductive toxicant.

	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.

