

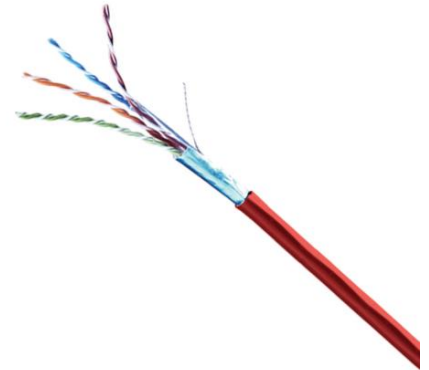


# Product Lens

a materials health assessment

## COMPANY AND PRODUCT INFO

<b>Issued to</b>	<b>Belden</b>
<b>Description</b>	<b>DataTwist® 5e &amp; 5, Riser Rated Cable F/UTP Shielded, 4 Pair, including Siamese</b>
<b>For the Products</b>	Part Numbers: 1212Fxxx, 1533Rxxx, 1624Rxxx, 1668Axxx
<b>Certification Period</b>	December 2016- December 2018
<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	Green	Green	Green	Green
PVC	Red (I,D)	Yellow	Yellow	Red (I,D)
Polyolefin 1	Green	Green	Green	Green
Aluminum	Green	Green	Green	Green
Plasticizer	Black	Black	Black	Black
Flame Retardant	Yellow	Green	Green	Green
Tinned Copper	Yellow	Green	Green	Yellow
Proprietary	Green	Green	Green	Green
Plasticizer	Green	Green	Green	Green

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



### 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.

\*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	35-40					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	16-21	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Polyolefin 1	Proprietary	Insulation	9-12					Little to no risk across all product phases
Aluminum	7429-90-5	Tape	0-9					Some neurotoxicity concerns, but little risk as used in this product.
Plasticizer	Proprietary	Jacket	6-8					CMR - Reproductive toxin (on CA Prop 65)
Flame Retardant	Proprietary	Jacket	0-6.5					Skin sensitization and aquatic toxicity concerns, however, should be acceptable across all product stages.
Tinned Copper		Drain Wire	4-6					Highly toxic to aquatic organisms; however, this material is acceptable for use in all phases due to limited exposure opportunity to biosphere.
Proprietary	Proprietary	Jacket	0.4-4.5					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	0-4					Little to no risk across all product phases
PET	25038-59-9	Ripcord/ Tape	1.5-3.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-2.2	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
Plasticizer	Proprietary	Jacket	1.23					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.33 - 1.09					Little to no risk across all product phases
Plasticizer	Proprietary	Jacket	0-1.1					Little to no risk across all product phases
Flame Retardant	Proprietary	Jacket	0.7-0.9					Suspected human carcinogen (on CA Prop 65, IARC Group 2B, MAK Group 2)
Proprietary	Proprietary	Jacket	0-0.4					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0.1-0.4					Little to no risk across all product phases
Colorant	Proprietary	Various colorants	0-0.3					Little to no risk across all product phases
UV Stabilizer	Proprietary	Jacket	0-0.2					Some chronic toxicity issues, but low risk during use phase.
Proprietary	Proprietary	Jacket	0.05 - 0.15	D				Severe damage to eyes possible during manufacturing phase; little to no risk across all other use phases
Proprietary	Proprietary	Jacket	0-0.2					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-0.2					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	0-0.2					Little to no risk across all product phases
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	>0.1					CMR - on CA Prop 65 list, suspected endocrine disruptor and potential reproductive toxicant.
Polyolefin 2	Proprietary	Colorant	>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	Insulation	>0.1					Little to no risk across all product phases
Proprietary	Proprietary	Jacket	>0.1					Skin sensitization and aquatic toxicity concerns, however at this concentration and in this use should be acceptable across all product stages.
Lubricant	Proprietary	Jacket	>0.05					Little to no risk across all product phases
Proprietary	Proprietary	Insulation	>0.05					Little to no risk across all product phases
Colorant	Proprietary	Colorant	>0.05					CMR, on CA Prop 65 list for cancer
Colorant	Proprietary	Colorant	>0.05	I,D			I,D	Lifecycle concerns around use of halogenated polymers.
PU Adhesive	Unknown	Tape	>0.05					Unknown

	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.

