

# Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



<b>Data Sheet</b>	TD-017 "UC" PE UV protected by high Carbon Black content only. ▼		
	<b>Revision:</b>	1	<b>Date:</b>
	<b>Base Material:</b>	Polyethylene	
	<b>Material Code:</b>	UC	

**Our commitment to quality is our commitment to success**

## Product Description

Flexible convuluted tubing / conduit manufactured from a blend of low density polyethylene and linear low density polyethylene resins. This product has limited "UV" protection created by increased amount of Carbon Black blended into it's composition for additional UV protection.

## Performance Enhancers

Flame Retardant	No
UV Inhibitor	Yes (see note below in the "Other" section under "Material Certifications")
Heat Stabilizer	No

## Performance Characteristics

Flexibility	Excellent
Abrasion Resistance	Good
Chemical Resistance	Good <span style="color: red; font-weight: bold;">See Chemical Resistance Report: CR-017</span>
Continuous Operating Temperature	-40 to +85C (-40 to +185F) Min. 3000 Hrs.
Short Term" Operating temperatures	-40 to +93C (-40 to +200F) Max. 168 Hrs

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	0.924	-
Elongation @ Break	-	-	-
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	-	-	-
2% Secant Modulus	-	-	-
Flexural Modulus	-	-	-
Melting Point	-	-	-
Notched Izod Impact Test	-	-	-
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	-	-	-

## Material Certifications

Delphi / Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-
FMVSS 302	-
Other	The resin used to manufacture this product has been blended with a min. Carbon Black content of 2.5 %. This is a industry standard recommended amount of Carbon Black to achieve optima UV performance when using just Carbon Black for UV protection. Drossbach does not guarantee any UV life for this material as we do not have any control of the end product's environment.

## Notes

- (1) Drossbach does not claim or state any UV life or warranty unless stated above in the "Other" section", as we do not have any control over its end use environment.
- (2) All "UL" and FMVSS 302 flame ratings are for the resin used to manufacture our product, not for our end product. The ratings are created by testing standard "UL" and "FMVSS" plaque specimens, not tubing samples.
- (3) Compliant with the European Union's **Directive 2002/95/EU (RoHS)**, **REACH Directive** and the **Conflict Minerals Initiative**.
- (4) Only product designated as **UL 94 "V0"** in the Material Certification section above can be certified as **non-Halogenated product**.
- (5) If a product is designated as flame retardant but has no material certification listed, this product is a Drossbach internally blended material blended with a flame retardant additive. It is tested to an internal flame test (DR-006) that holds no claimed warranty.



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**An ISO/TS 16949 and ISO-9001**

**Registered Company**



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