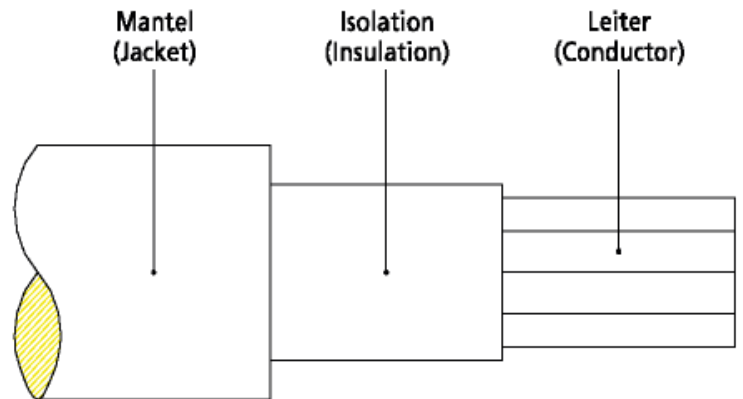
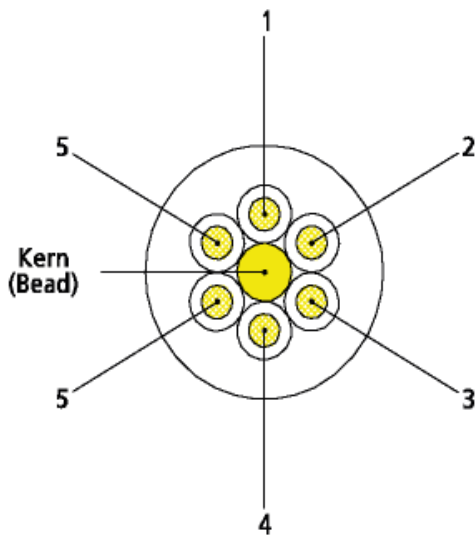
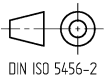


01. Drawing



The information/details in this datasheet merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be binding if these are expressly agreed on conclusion of the contract.



02. Application:

Description: as flexible, shielded, flame-retardant and halogen-free control line

03. Line construction:

03.01 Litz construction:

Wire material: Cu-ETP1 bare acc. DIN EN 13602
 Wire size: 0,34 mm²0,34 mm²
 Litz construction: approx. 42 x Ø 0,10 mm

03.02. Core insulation:

Wire isolation: PP
 Core-diameter: Ø1,50 ±0,10 mm
 Number of wires: 6
 Correlation Core number-Core color: 1 white/WH 2 green/GN 3 yellow/YE 4 grey/GY 5 blue/BU 6 brown/BN

03.09. shielding: no

03.13. Outer jacket:

Jacket material: PUR
 Jacket-diameter: Ø 6,0 ±0,20 mm
 Jacket color: black matt similarly RAL 9005

Surface free from lubricant and grease.

Color: yellow
 Printing: "* 337 / ** PUR E*** cURus AWM STYLE **** AWM I/II A/B 80°C 300V FT2 + SUITABLE FOR USE WITHIN EQUIPMENT ONLY

seperate UL/CSA marking is possible

- * = Producer identification
- ** = WWYY Production-year and -week
- *** = UL-Producer number
- **** = Style-Number

04. Characteristics:

04.01 Temperature range: (Lifetime > 20.000 h)
 in stationary position: - 50 °C - +90 °C (UL: + 80 °C)
 flexible: - 25 °C - +90 °C (UL: + 80 °C)
 Ambient temperature in the drag chain movement: - 25 °C - +60 °C

04.02 Electrical characteristics: at 20 °C
 nominal voltage: ≤ 300 V
 test voltage core/core, (50 Hz, 1 min.): ≥ 2000 V eff.
 conductor resistance: max. 57,0 Ω/km
 Insulation resistance: > 1000 MΩxkm

Bending radius in stationary position:	> 5 x D
Bending radius in flexible stress:	> 10 x D
Bending radius drag chain	> 10 x D
Angle of torsion max.:	± 360°
Length of torsion:	1 m
Bending cycles at torsion:	> 5 Mio.

04.04 Drag chain characteristics:	yes
Bending cycles *:	> 5 Mio.
permissible acceleration:	max. 5 m/s ²
permissible horizontal traverse path:	at 5 m/s ² ► 5 m
permissible vertical traverse path:	at 5 m/s ² ► 2 m
permissible traverse speed at 5 m hor. trav. path:	max. 200 m/minmax. 200 m/min

* depending on horizontal travel length and acceleration.

05. Burning behavior:

flame retardent acc. to:	DIN EN 60332-2-2, VDE 0482-265-2-2, EN 50265-2-2, CSA FT2
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06. Halogen-free:

Tests acc. to:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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08. Other characteristics:

Exclusion of dangerous materials acc.:	2000/53/EG, 2011/65/EU, 2003/11/EG, 1907/2006/EG
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good microbes and hydrolysis resistance
mainly plasticizer diffusion free
good chemical and oil resistance
Exclusion of PVC and Silicone
free of lacquer wetting disturbing substances
Coldness flexibility

09. Approvals:

UL/CSA

Jacket:	cURus in acc. with AWM Style 20549 (80 °c / 300 V)
Core:	cURus in acc. with AWM Style 10493 (80 °c / 300 V)

product overview

Article-No.	Type
193-337-001	STL 337, 6x 0,34mm ² , PP/PUR, schwarz
934-636-224	STL 337/100 M PUR

Version: 5

Description of changes:

Changed: Core stranding: approx. Ø4,50mm in approx. Ø 4,50mm

Deleted: Diameter: Ø mm

Deleted: Diameter: Ø mm

Deleted: Diameter: Ø mm

Deleted: Wire-Ø: Ø mm

Deleted: Diameter: Ø mm

Changed: Jacket-diameter: Ø6,0 ±0,20 mm in Ø 6,0 ±0,20 mm

Changed: Printing: "* 337 / ** PUR E*** cURus AWM STYLE **** AWM I/II A/B

80°C 300V FT-2 + SUITABLE FOR USE WITHIN

EQUIPMENT ONLY in "* 337 / ** PUR E*** cURus AWM STYLE **** AWM I/II A/B

80°C 300V FT2 + SUITABLE FOR USE WITHIN

EQUIPMENT ONLY

Deleted: coupling resistance: Ω/km

Deleted: Loop resistance: Ω/km

Deleted: Attenuation: ≤ - dB/km @ - MHz

Deleted: Inductance per length unit : mH/km

Deleted: Impedance (ZL): - Ω ±10% @ - MHz

Changed: Exclusion of dangerous materials acc.: 2000/53/EG, 2011/65/EU, 2003/11/EG, 1907/2006/EG

good microbes and hydrolysis resistance

mainly plasticizer diffusion free

good chemical and oil resistance

Exclusion of PVC and Silicone

free of lacquer wetting disturbing substances

Coldness flexibility in 2000/53/EG, 2011/65/EU, 2003/11/EG, 1907/2006/EG

Add: (Notiz) good microbes and hydrolysis resistance

mainly plasticizer diffusion free

good chemical and oil resistance

Exclusion of PVC and Silicone

free of lacquer wetting disturbing substances

Coldness flexibility