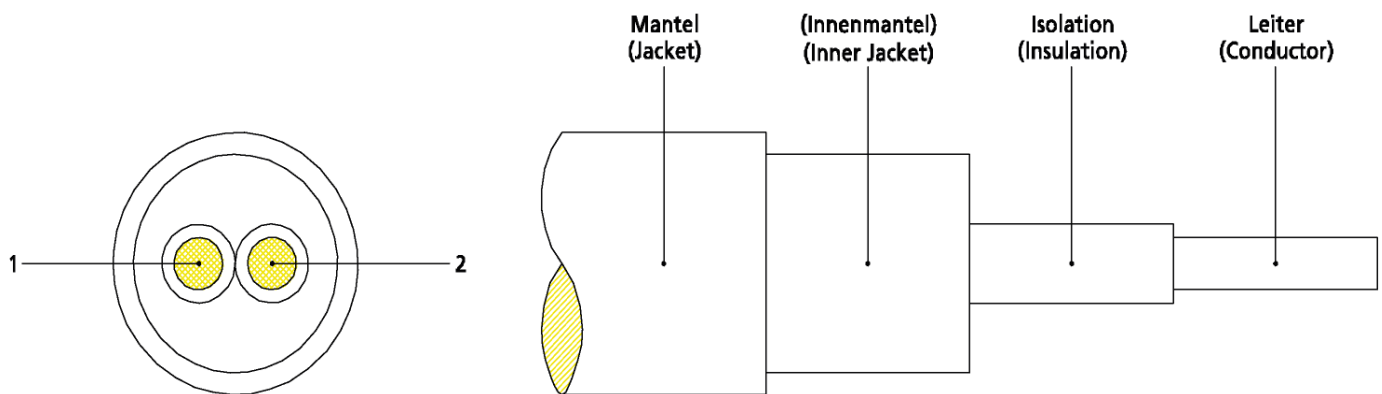
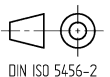


**RoHS** ✓

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, flame-retardant control line in the industrial Mechanical- and Plant engineering, for increased requirements, particularly for the employment in cable carriers (Drag chains) and moved machine parts

**03. Line construction:**

03.01 Litz construction:

Wire material: Cu-ETP1 bare  
 Wire size: 1,50 mm<sup>2</sup>  
 Litz construction: ca. 192 x Ø0,10mm

03.02. Core insulation:

Wire isolation: PVC T13  
 Core-diameter: Ø2,40 ±0,10 mm  
 Number of wires: 2  
 Correlation Core number-Core color: 1 brown/BN; 2 blue/BU

03.09. shielding:

no  
 Diameter: Ø mm

03.10. Overall shield:

Diameter: Ø mm

03.13. Outer jacket:

Jacket material: PUR  
 Jacket-diameter: Ø6,80 ±0,20 mm  
 Jacket color: orange matte finish similarly RAL 2003

Surface free from lubricant and grease.

Color: white  
 Printing: \*41 / \*\* +

- \* = 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: - 40 °c to + 90 °c  
 flexible: + 5 °c to +90 °c  
 Ambient temperature in the drag chain movement: + 5 °C to +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. 13,30 Ω/km
Insulation resistance:	> 10 MΩxkm
Inductance per length unit :	mH/kmmH/km
Bending radius in stationary position:	> 5 x D
Bending radius in flexible stress:	> 10 x D
Angle of torsion max.:	± - °/m
Bending cycles at torsion:	> - Mio.

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

\* depending on horizontal travel length and acceleration.

<b>05. Burning behavior:</b>	<b>flame retardent and self-extinguishing</b>
flame retardent acc. to:	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2

<b>07. Resistances:</b>	
Oil rest. tests acc. with:	EN 60811 Teil 2-1

<b>08. Other characteristics:</b>	
Exclusion of dangerous materials acc.:	2000/53/EG, 2002/95/EG, 2003/11/EG good microbes and hydrolysis resistance good chemical and oil resistance Exclusion of Silicone free of lacquer wetting disturbing substances Coldness Flexibility

<b>09. Approvals:</b>	<b>non</b>
Jacket:	-
Core:	-

## product overview

Article-No.	Type
000-001-404	STL 041, 2x1,50mm <sup>2</sup> , PVC/PUR, orange
193-041-001	STL 041, 2x1,50mm <sup>2</sup> , PVC/PUR, orange
934-636-420	STL 041/500 M PUR/PVC