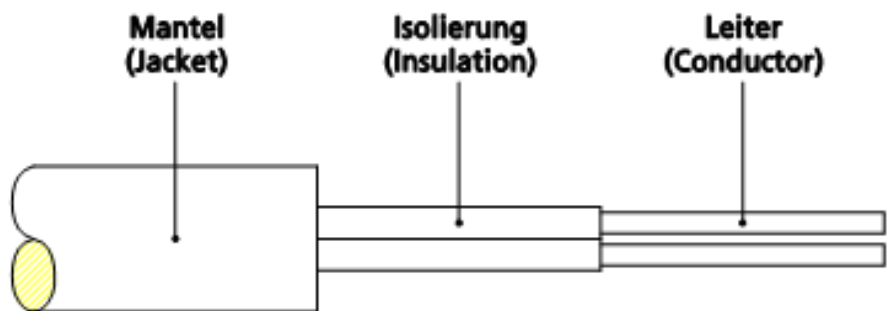
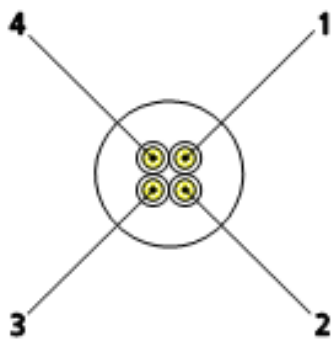
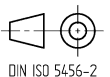




01. Drawing



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 a flame-retardant and halogen-free control line in the industrial Mechanical- and Plant engineering, for normal requirements.

03. Line construction:

03.01 Litz construction:

Wire material: Cu-ETP1 bare acc. DIN EN 13602
 Wire size: 0,08 mm²
 Litz construction: approx. 40 x Ø 0,05 mm

03.02. Core insulation:

No adhesion between the cores and outer jacket
 Wire isolation: TPE-E
 Core-diameter: Ø 0,57 ± 0,05 mm
 Number of wires: 4
 Correlation Core number-Core color: 1 brown/BN (similar RAL 8003); 2 blue/BU (similar RAL 5015); 3 black/BK (similar RAL 9005); 4 weiss/WH (similar RAL 1013)

03.09. shielding: no

03.13. Outer jacket:

Surface free from lubricant and grease.
 Jacket material: PUR
 Jacket-diameter: Ø 2,60 ± 0,05 mm
 Jacket color: black matt similarly RAL 9005

Color: yellow
 Printing: * 404 / ** PUR E*** UR AWM STYLE **** 80°C 30V

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

04. Characteristics:

04.01 Temperature range: (Lifetime > 20.000 h)
 in stationary position: - 50 °C - + 80 °C
 flexible: - 25 °C - + 80 °C

04.02 Electrical characteristics:

at 20°C
 nominal voltage: ≤ 30 V
 test voltage core/core, (50 Hz, 1 min.): ≥ 1200 V eff.
 test voltage core/shield, (50 Hz, 1 min.): ≥ 1200 V eff.
 conductor resistance: max. 223 Ω/km
 Insulation resistance: min. 6,0 MΩxkm

Bending radius in stationary position: > 5 x D
 Bending radius in flexible stress: > 10 x D

04.04 Drag chain characteristics: no

05. Burning behavior:

flame retardent acc. to:

flame retardent

VDE 0482-332-2-2, DIN EN 60332-2-2 / IEC 60332-2-2

06. Halogen-free:

Tests acc. to:

DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1

08. Other characteristics:

Exclusion of dangerous materials acc.:

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

free of lacquer wetting disturbing substances

Exclusion of dangerous materials acc.

good microbes and hydrolysis resistance

mainly plasticizer diffusion free

good chemical and oil resistance

Exclusion of PVC and Silicone

Coldness flexible

09. Approvals:

Jacket:

UL

UR acc. to AWM Stlye 21292 (80°C / 30V)

Core:

UR acc. to AWM Style 1589 (60°C, 80°C / 30V)

product overview

Article-No.	Type
000-091-065	STL 404, 4x0,08mm ² , TPE/PUR, schwarz
934-636-433	STL 404/500 M PUR

Version: 8

Description of changes:

Add: Stranding type: concentric stranding

Changed: Jacket-diameter: $\varnothing 2,60 \pm 0,50$ mm in $\varnothing 2,60 \pm 0,05$ mm

Add: test voltage core/shield, (50 Hz, 1 min.): ≥ 1200 V eff.

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

Exclusion of dangerous materials acc.

good microbes and hydrolysis resistance

mainly plasticizer diffusion free

good chemical and oil resistance

Exclusion of PVC and Silicone

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

free of lacquer wetting disturbing substances

Exclusion of dangerous materials acc.

good microbes and hydrolysis resistance

mainly plasticizer diffusion free

good chemical and oil resistance

Exclusion of PVC and Silicone

Coldness flexible