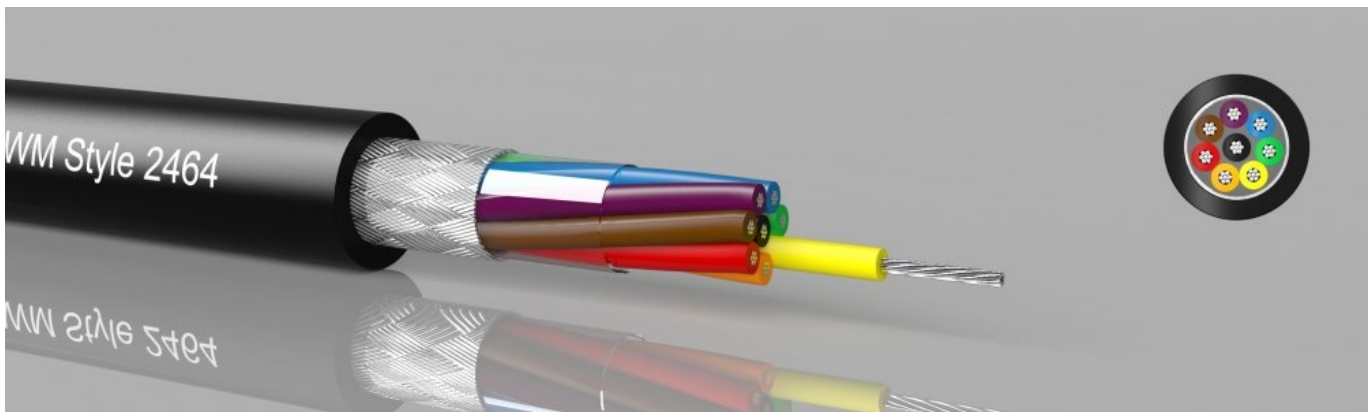




✓ installation ✓ mobile ✓ RoHS ✓ REACH ✓ CE ✓

## UL-LiYCY 10 x AWG 28

UL AWM 2464/2517-10002, shielded  
Order-No. 096102809

### Application / Description

For connections in all fields of the measuring and control engineering as well as in signal and impulse technology. UL-specifications have to be matched for products which are exported to the American Market. Because of SR-PVC is used as core insulation this model is very suitable for gumpion clamping technology (e.g. LSA+). The outer jacket is to a very large extend resistant against oils, petrol, and weather-proof as well as UV-resistant by special PVC. The screening prevents electrical noise of influences to a large extend.



### Variant data

|                        |                 |
|------------------------|-----------------|
| O.D.                   | approx. 5,80 mm |
| weight                 | 48,4 kg/km      |
| Cu-weight              | 22,4 kg/km      |
| skinning tool (jacket) | 40025           |
| skinning tool (core)   | 20300           |

### Construction / data

|                        |                                              |
|------------------------|----------------------------------------------|
| Conductor              | tinned stranded copper wire                  |
| Structure of conductor | 7 x 0,127 mm                                 |
| Conductor dimension    | 0,09 qmm                                     |
| Core-Ø                 | approx. 0,90 mm                              |
| AWG                    | AWG 28                                       |
| number of cores        | 10                                           |
| Core insulation        | Semi-Rigid-PVC                               |
| Core colour sequence   | international colour-code                    |
| Twisting               | cores in layers                              |
| Overall shield         | tinned copper braid, coverage approx. 85 %   |
| Outer jacket           | Special PVC, flame retardant acc. to UL-VW-1 |
| Outer jacket colour    | black, sim. RAL 9005                         |
| Dimension              | 10 x AWG 28                                  |

## Technical characteristics

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|                              |                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| Temperature range            | static: -30 °C to +105 °C<br>dynamic: -15 °C to +105 °C<br>*UL 2517. Per UL 2464 only +80°C |
| Bending radius               | > 15 x O.D.                                                                                 |
| Operating capacity (C/C)     | approx. 110 pF/m                                                                            |
| Operating voltage            | 300 V                                                                                       |
| Testing voltage              | 1.500 V                                                                                     |
| Current capacity (at +25° C) | 1,00 A (by respectively one core per cabel is loaded)                                       |
| Insulation resistance        | > 100 MOHM x km at + 20°C                                                                   |
| Conductor resistance         | max. 237,0 Ohm/km                                                                           |

## Packaging

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Rings at 100m, Reels at 500m

Lower and upper lengths according to availability. Special packaging on request.

## Add-on information

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Temperature rating per UL-Style 2464: 80°C; Style 2517: 105°C

© kabeltronik® Arthur Volland GmbH  
Mühlweg 6, 85095 Denkendorf  
Tel.: 08466 - 9404-0  
E-Mail: [info@kabeltronik.de](mailto:info@kabeltronik.de)

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