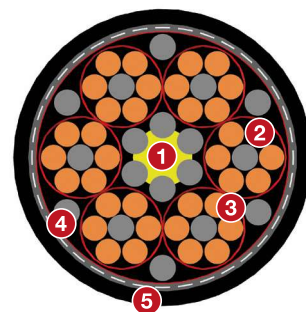


# UTVFLEX® BASKET

YSLTOE-J

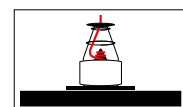
Based on DIN VDE 0250 Part 405

Control cable specifically designed for gravity-feed collector baskets of latest generation high-speed container cranes. In order to avoid cable damages, the cable must be installed into the basket in counter-clockwise direction, free of torsion. The basket diameter has to be bigger than 30×D (D = cable diameter) and the cable has to be hooked on the top with a proper system (cable mesh grip or 2,5 cable loops on anchoring drum).



- 1 CENTRAL SUPPORT ELEMENT**  
Lead balls ropes stranded around, KEVLAR® supports
- 2 PHASE CONDUCTORS**  
MATERIAL: bare flexible copper  
CONSTRUCTION: class 5 VDE 0295 (IEC 60228)
- 3 INSULATION**  
MATERIAL: Special thermoplastic compound
- 4 CORE ASSEMBLY**  
6 cores bundles, with central lead ball rope, stranded around the central support with interstitial lead ball ropes
- 5 SHEATH**  
MATERIAL: halogen free polyurethane  
COLOUR: black

## APPLICATION



## ELECTRICAL WORKING DATA

|                                 |    |                              |
|---------------------------------|----|------------------------------|
| Nominal rated voltage $U_0 / U$ | V  | 300/500                      |
| Test voltage                    | kV | 2                            |
| Max AC voltage                  | V  | 318/550                      |
| Max DC voltage                  | V  | 825                          |
| Current rating                  | A  | According to VDE 0298 Part 4 |

## THERMAL WORKING DATA

|                                                                                                              |    |     |
|--------------------------------------------------------------------------------------------------------------|----|-----|
| Maximum short circuit temperature                                                                            | °C | 150 |
| Maximum working temp. on the conductor                                                                       | °C | 70  |
| Minimum ambient temperature                                                                                  | °C | -20 |
| Upon request UTVFLEX® BASKET 0,6/1kV special version for low temperature (up to -40°C in mobile application) |    |     |

## MECHANICAL WORKING DATA

|                                        |       |                              |
|----------------------------------------|-------|------------------------------|
| Bending radius                         | mm    | According to VDE 0298 Part 3 |
| Maximum tensile load                   | N     | See table below              |
| Max working speed on systems to basket | m/min | 160                          |

## CHEMICAL WORKING DATA

|                   |                            |
|-------------------|----------------------------|
| Oil resistance    | According to IEC 60811-404 |
| Ozone resistance  | According to IEC 60811-403 |
| Burning behaviour | According to IEC 60332-1-2 |

| VOLTAGE | CORES X CROSS SECTION | CONDUCTOR | MIN OVERALL | MAX OVERALL | APPROX WEIGHT | MAX TENSILE LOAD |
|---------|-----------------------|-----------|-------------|-------------|---------------|------------------|
| V       | Nr x mm²              | Ø mm      | Ø mm        | Ø mm        | kg/km         | N                |
| 300/500 | 48G1                  | 1,3       | 32,4        | 33          | 2460          | 13000            |
| 300/500 | 30G2,5                | 2         | 32,1        | 32,7        | 2060          | 13000            |
| 300/500 | 36G2,5                | 2         | 35,8        | 36,4        | 2670          | 13000            |
| 300/500 | 42G2,5                | 2         | 39,5        | 40,2        | 3330          | 13000            |
| 300/500 | 48G2,5                | 2         | 42,7        | 43,6        | 4260          | 13000            |

The diameter and weight shown is approximate, they may have some tolerance (to be confirmed when ordering).  
Other cross sections and colors available upon request.