URSUS® BASKET 300/500 V

YSLTOE-J
Based on DIN VDE 0250 Part 405

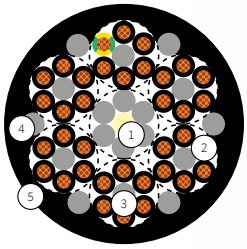
1 **CENTRAL SUPPORT ELEMENT**
Lead balls ropes stranded around, KEVLAR® supports

2 **PHASE CONDUCTORS**
MATERIAL: bare flexible copper
CONSTRUCTION: class 5 VDE 0295 (IEC 60228)

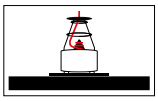
3 **INSULATION**
MATERIAL: Special thermoplastic compound

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



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 30xD (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).



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 URSUS® BASKET LT 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 Ø	MIN OVERALL Ø	MAX OVERALL Ø	APPROX WEIGHT	MAX TENSILE LOAD
V	Nr x mm²	mm	mm	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