



conductor material: bare copper, stranded acc. DIN EN 60228 class 5
insulation: special rubber compound or 91Y
core identification: acc. to CENELEC HD308S2
screen: copper braid tinned; coverage ca. 85%
sheathing material: polyurethane *HFFR (FRNC)*
sheathing colour: grey, like RAL 7011 or RAL 7001

operating voltage: ≤ 1qmm: 300 V/ 500 V
 ≥ 1,5qmm: 600 V/ 1000 V
test voltage: ≤ 1qmm: 2000 V/ 50Hz
 ≥ 1,5qmm: 3500 V/ 50Hz
min. bending radius: flexibel 15 x D, fixed 7,5 x D
temperature range, moved: -30 up to +80°C
temperature range, fixed: -40 up to +90°C (up to 110°C for short periods)
insulation resistance: min. 20MΩ x km

application: The copper braiding of KENPUR® 500C Multicore has been specially development for the use in EMC-critical areas and also improves the mechanical resistance. General applications are: SF 6 switch gears, engine construction, machine tool building, machine shops, chemicals industry, special locomotive and wagon construction, tunnel drilling machinery.

resistance / features:

- halogen free acc. to IEC 60754-1	- UV-resistant
- no corrosive gases acc. to IEC 60754-2	- ozone and oxygene resistant
- very robust	- microbe and rotting resistant
- good pressure and overrun resistance	- oil resistance acc. to DIN EN 60811-404
- very good abrasion and wear resistance	- hydrolysis resistance acc. EN 50369
- good cut, rabble and tear propagation resistance	- alcohol-free petrol and kerosine resistance
- weathering resistant	- flame retardent IEC 60332-1, DIN EN 60332-1-2

The products and information presented here are for technical calculation only.

They are subject to technical progress and in no way represent the ability of shipment.

Outer diameters are approximately.

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
01002075	KENPUR 500C Multicore 2 x 0,75 OZ	7,2	38,50	68,0
01003075	KENPUR 500C Multicore 3 x 0,75 JZ	7,6	47,60	78,0
01004075	KENPUR 500C Multicore 4 x 0,75 JZ	8,5	57,80	100,0
01005075	KENPUR 500C Multicore 5 x 0,75 JZ	9,2	71,70	122,0
01007075	KENPUR 500C Multicore 7 x 0,75 JZ	10,1	79,30	139,0
01003100	KENPUR 500C Multicore 3 x 1,00 JZ	8,1	56,70	95,0
01004100	KENPUR 500C Multicore 4 x 1,00 JZ	8,9	69,50	118,0
01005100	KENPUR 500C Multicore 5 x 1,00 JZ	9,7	82,40	140,0
01003150	KENPUR 500C Multicore 3 x 1,50 JZ	9,7	79,20	132,0
01004150	KENPUR 500C Multicore 4 x 1,50 JZ	10,7	96,30	166,0
01005150	KENPUR 500C Multicore 5 x 1,50 JZ	11,7	114,50	198,0
01007150	KENPUR 500C Multicore 7 x 1,50 JZ	13,2	146,50	260,0
01012150	KENPUR 500C Multicore 12 x 1,50 JZ	17,7	256,80	439,0
01016150	KENPUR 500C Multicore 16 x 1,50 JZ	19,6	324,20	547,0
01021150	KENPUR 500C Multicore 21 x 1,50 JZ	22,2	405,60	726,0
01003250	KENPUR 500C Multicore 3 x 2,50 JZ	11,4	116,60	190,0
01004250	KENPUR 500C Multicore 4 x 2,50 JZ	12,6	164,40	240,0
01005250	KENPUR 500C Multicore 5 x 2,50 JZ	14,3	191,50	310,0
01007250	KENPUR 500C Multicore 7 x 2,50 JZ	15,7	247,10	392,0
01004400	KENPUR 500C Multicore 4 x 4,00 JB	15,0	227,90	350,0
01005400	KENPUR 500C Multicore 5 x 4,00 JB	16,5	277,50	426,0
01007400	KENPUR 500C Multicore 7 x 4,00 JZ	1,3	361,70	553,0
01004600	KENPUR 500C Multicore 4 x 6,00 JB	17,3	316,70	470,0
01005600	KENPUR 500C Multicore 5 x 6,00 JB	19,1	386,30	579,0
01007600	KENPUR 500C Multicore 7 x 6,00 JZ	21,3	538,20	779,0
01041000	KENPUR 500C Multicore 4 x 10 JB	22,5	530,70	800,0
01051000	KENPUR 500C Multicore 5 x 10 JB	24,8	644,20	971,0
01071000	KENPUR 500C Multicore 7 x 10 JZ	27,2	854,90	1247,0
01041600	KENPUR 500C Multicore 4 x 16 JB	25,7	781,10	1110,0
01051600	KENPUR 500C Multicore 5 x 16 JB	28,4	953,70	1357,0
01042500	KENPUR 500C Multicore 4 x 25 JB	30,7	1139,50	1580,0
01052500	KENPUR 500C Multicore 5 x 25 JB	34,2	1443,30	1989,0
01043500	KENPUR 500C Multicore 4 x 35 JB	35,0	1610,40	2122,0
01045000	KENPUR 500C Multicore 4 x 50 JB	40,7	2212,80	2900,0
01055000	KENPUR 500C Multicore 5 x50 JB	45,0	2733,40	3629,0
01049500	KENPUR 500C Multicore 4 x 95 JB	49,0	4282,00	5470,0
01041200	KENPUR 500C Multicore 4 x 120 JB	55,0	5364,00	6980,0