

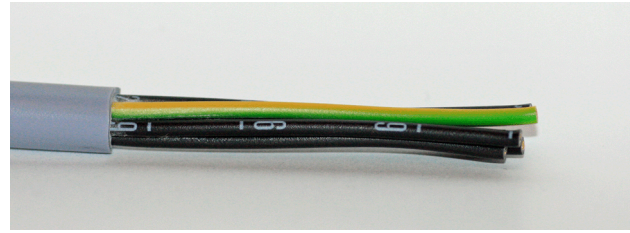
DESCAFLEX ECO 500

0,50 mm² - 16,00 mm²

Halogen-free cables 500 V, numbered cores

Application

Halogen-free, flame retardant cable used in dry or moist conditions indoors, suitable for fixed installations or for flexible use in conditions of light mechanical stress, as interconnecting cable in mechanical engineering, machine tool and lift construction, in heating and air conditioning systems, refrigerators, office machines and assembly lines and production lines, etc.



Construction

Flexible bare copper conductors, acc. to IEC 60228, class 5
Insulation polymer blend (HJ2, VDE 0207, part 23), black with white numbers, 3 cores and above green-yellow included (in the outer lay)
Cores laid up in lays
Sheath polymer blend grey, RAL 7001 (HM2, VDE 0207, part 24)

Technical Properties

Rated voltage U₀/U 300 / 500 V
Test voltage 2000 V
Insulation resistance 20 MΩm x km
Temperature range - 5°C ... + 70°C
- static installation - 30°C ... + 70°C
Minimum bending radius 15 x cable diameter

Special Characteristics

Halogen-free/ Proof IEC 60754-1
Gases corrosivity IEC 60754-2
Flame retardant IEC 60332-1-2
Self-extinguishing IEC 60332-3
Smoke density IEC 61034-1+2

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204220	2 x 0,50	4.90	9.60	41.00
204221	3 x 0,50	5.20	14.40	48.00
204530	3 x 0,50 *	5.20	14.40	48.00
204222	4 x 0,50	5.70	19.20	58.00
204531	4 x 0,50 *	5.70	19.20	58.00
204223	5 x 0,50	6.50	24.00	69.00
204532	5 x 0,50 *	6.50	24.00	69.00
204225	7 x 0,50	7.10	33.60	85.00
204228	10 x 0,50	9.20	48.00	122.00
204230	12 x 0,50	9.40	57.60	134.00
204232	14 x 0,50	10.20	67.20	151.00
204234	16 x 0,50	10.50	76.80	168.00
204235	18 x 0,50	11.50	86.40	190.00
204238	21 x 0,50	12.80	100.10	224.00
204242	25 x 0,50	13.30	120.00	270.00
204246	30 x 0,50	14.40	144.00	313.00
204249	34 x 0,50	15.50	163.20	363.00
204252	37 x 0,50	15.80	177.60	372.00
204254	40 x 0,50	16.70	192.00	400.00
204260	50 x 0,50	18.60	240.00	512.00
204262	56 x 0,50	18.80	268.80	552.00
204264	61 x 0,50	19.10	292.80	589.00
204265	65 x 0,50	19.90	312.00	700.00
204268	2 x 0,75	5.60	14.40	54.00
204269	3 x 0,75	5.80	21.60	66.00
204540	3 x 0,75 *	5.80	21.60	66.00
204270	4 x 0,75	6.40	28.80	78.00
204541	4 x 0,75 *	6.40	28.80	78.00
204271	5 x 0,75	6.90	36.00	91.00
204542	5 x 0,75 *	6.90	36.00	91.00
204273	7 x 0,75	7.60	50.40	124.00
204274	8 x 0,75	8.50	57.60	126.00
204276	10 x 0,75	9.40	72.00	176.00
204278	12 x 0,75	10.10	86.40	191.00
204282	16 x 0,75	11.50	115.20	237.00
204283	18 x 0,75	11.90	129.60	283.00
204286	21 x 0,75	13.30	151.20	293.00
204290	25 x 0,75	14.00	180.00	388.00
204292	27 x 0,75	14.90	195.00	412.00
204297	34 x 0,75	16.20	244.80	461.00
204303	41 x 0,75	17.90	295.20	568.00
204308	50 x 0,75	19.40	360.00	730.00

* = without protective conductor

Packaging

cut to desired length

on request

version with SEV CH-N05Z1Z1-K and UL 21089 CSA AWM I/II A/B approvals, see also DESCAFLEX ECO 600 0,6/1 kV as well

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204312	61 x 0,75	21.20	439.20	890.00
204313	65 x 0,75	22.10	468.00	910.00
204316	2 x 1,00	5.90	19.20	63.00
204317	3 x 1,00	6.20	28.80	75.00
204550	3 x 1,00 *	6.20	28.80	75.00
204318	4 x 1,00	6.70	38.40	91.00
204551	4 x 1,00 *	6.70	38.40	91.00
204319	5 x 1,00	7.30	48.00	112.00
204552	5 x 1,00 *	7.30	48.00	112.00
204320	6 x 1,00	8.20	57.60	126.00
204321	7 x 1,00	8.30	67.20	139.00
204322	8 x 1,00	9.00	76.80	159.00
204323	9 x 1,00	10.10	86.00	184.00
204324	10 x 1,00	10.30	96.00	201.00
204326	12 x 1,00	10.70	115.20	221.00
204330	16 x 1,00	12.10	153.60	295.00
204331	18 x 1,00	13.00	172.80	328.00
204334	21 x 1,00	13.90	201.60	384.00
204338	25 x 1,00	15.00	240.00	465.00
204340	27 x 1,00	15.10	259.20	491.00
204345	34 x 1,00	17.50	326.40	613.00
204352	42 x 1,00	19.30	403.20	726.00
204356	50 x 1,00	21.00	480.00	875.00
204358	56 x 1,00	22.00	537.60	941.00
204360	61 x 1,00	22.30	585.60	1008.00
204361	65 x 1,00	23.80	624.00	1170.00
204364	2 x 1,50	6.50	28.80	79.00
204365	3 x 1,50	6.90	43.20	95.00
204560	3 x 1,50 *	6.90	43.20	95.00
204366	4 x 1,50	7.40	57.60	118.00
204561	4 x 1,50 *	7.40	57.60	118.00
204367	5 x 1,50	8.40	72.00	143.00
204562	5 x 1,50 *	8.40	72.00	143.00
204368	6 x 1,50	9.10	86.40	164.00
204369	7 x 1,50	9.10	100.80	182.00
204370	8 x 1,50	10.90	115.20	219.00
204371	9 x 1,50	11.10	129.60	239.00
204372	10 x 1,50	11.20	144.00	277.00
204374	12 x 1,50	11.90	172.80	305.00
204378	16 x 1,50	13.90	230.40	407.00
204379	18 x 1,50	14.70	259.20	452.00
204382	21 x 1,50	15.80	302.40	508.00

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Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204386	25 x 1,50	17.20	360.00	634.00
204393	34 x 1,50	20.30	489.60	828.00
204400	42 x 1,50	21.80	604.80	983.00
204404	50 x 1,50	23.80	720.00	1175.00
204408	61 x 1,50	26.00	878.40	1391.00
204412	2 x 2,50	7.70	48.00	113.00
204413	3 x 2,50	8.30	72.00	138.00
204414	4 x 2,50	9.20	96.00	174.00
204415	5 x 2,50	10.20	120.00	214.00
204417	7 x 2,50	11.30	168.00	281.00
204422	12 x 2,50	14.80	300.00	468.00
204424	14 x 2,50	15.90	336.00	557.00
204427	18 x 2,50	18.20	432.00	692.00
204434	25 x 2,50	21.10	600.00	1098.00

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204441	34 x 2,50	24.90	816.00	1471.00
204462	4 x 4,00	11.00	153.60	299.00
204463	5 x 4,00	12.30	192.00	361.00
204465	7 x 4,00	13.70	268.80	488.00
204473	4 x 6,00	13.10	230.40	482.00
204474	5 x 6,00	14.60	288.00	584.00
204476	7 x 6,00	16.10	403.20	783.00
204484	4 x 10,00	16.30	384.00	736.00
204485	5 x 10,00	18.20	480.00	913.00
204487	7 x 10,00	20.20	672.00	1188.00
204490	4 x 16,00	20.10	614.40	1080.00
204491	5 x 16,00	21.80	768.00	1365.00
204493	7 x 16,00	24.40	1120.00	1773.00

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