

DESCAFLEX ECO C-500

0,50 mm² - 16,00 mm²

Halogen-free cables 500 V, numbered cores, shielded

Application

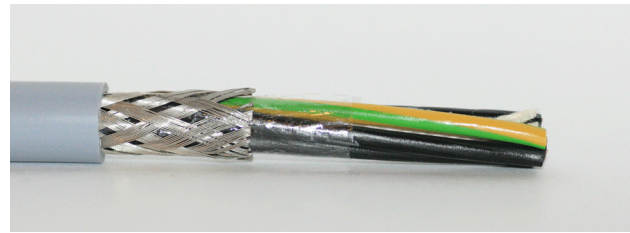
Halogen-free, flame retardant cable used in dry or moist conditions indoors, suitable for fixed installations or for flexible use in conditions of light mechanical stress, as interconnecting cable in mechanical engineering, machine tool and lift construction, in heating and air conditioning systems, 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, foil tape over it
Shielded by a tinned copper braid, coverage ca. 85% and tinned drain wire
Sheath polymer blend grey, RAL 7001 (HM2, VDE 0207, part 24)

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



Technical Properties

Rated voltage U ₀ /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

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204610	2 x 0,50	5.90	29.00	46.00
204611	3 x 0,50	6.30	39.00	53.00
204612	4 x 0,50	6.80	46.00	70.00
204613	5 x 0,50	7.20	52.00	81.00
204615	7 x 0,50	7.80	68.00	98.00
204618	10 x 0,50	10.00	93.00	136.00
204620	12 x 0,50	10.20	117.00	153.00
204624	16 x 0,50	11.50	129.00	177.00
204625	18 x 0,50	12.00	152.00	207.00
204628	21 x 0,50	12.70	189.00	231.00
204632	25 x 0,50	14.30	250.00	292.00
204636	30 x 0,50	14.70	297.00	331.00
204644	40 x 0,50	16.30	345.00	419.00
204650	50 x 0,50	18.90	407.00	513.00
204654	61 x 0,50	20.50	580.00	660.00
204658	2 x 0,75	6.50	38.00	54.00
204659	3 x 0,75	6.80	48.00	70.00
204660	4 x 0,75	7.40	58.00	82.00
204661	5 x 0,75	8.00	72.00	98.00
204663	7 x 0,75	8.80	90.00	118.00
204666	10 x 0,75	10.50	131.00	170.00
204668	12 x 0,75	11.00	138.00	189.00
204672	16 x 0,75	11.60	183.00	241.00
204673	18 x 0,75	12.80	205.00	265.00
204676	21 x 0,75	14.20	233.00	316.00
204680	25 x 0,75	15.40	269.00	360.00
204682	27 x 0,75	15.80	286.00	383.00
204684	30 x 0,75	16.20	315.00	418.00
204687	34 x 0,75	17.40	351.00	441.00
204692	40 x 0,75	18.50	394.00	534.00
204698	50 x 0,75	20.40	480.00	655.00
204702	61 x 0,75	22.80	550.00	771.00
204706	2 x 1,00	6.90	46.00	70.00
204707	3 x 1,00	7.30	57.00	79.00
204708	4 x 1,00	7.90	72.00	98.00
204709	5 x 1,00	8.50	84.00	115.00
204710	6 x 1,00	9.10	95.00	128.00
204711	7 x 1,00	9.20	110.00	141.00
204714	10 x 1,00	11.50	151.00	202.00
204716	12 x 1,00	12.00	171.00	229.00
204720	16 x 1,00	13.00	220.00	300.00
204721	18 x 1,00	14.00	253.00	341.00

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
204724	21 x 1,00	14.80	320.00	392.00
204728	25 x 1,00	17.00	354.00	449.00
204730	27 x 1,00	17.60	367.00	469.00
204732	30 x 1,00	18.20	390.00	525.00
204735	34 x 1,00	19.50	440.00	583.00
204740	40 x 1,00	21.80	508.00	665.00
204746	50 x 1,00	24.00	626.00	809.00
204750	61 x 1,00	27.30	710.00	982.00
204754	2 x 1,50	7.70	59.00	90.00
204755	3 x 1,50	8.00	77.00	103.00
204756	4 x 1,50	8.80	96.00	125.00
204757	5 x 1,50	9.70	114.00	153.00
204759	7 x 1,50	10.70	148.00	192.00
204762	10 x 1,50	13.40	193.00	295.00
204764	12 x 1,50	14.00	241.00	334.00
204768	16 x 1,50	16.00	285.00	418.00
204769	18 x 1,50	17.00	355.00	464.00
204772	21 x 1,50	18.90	417.00	532.00
204776	25 x 1,50	20.70	498.00	623.00
204778	27 x 1,50	21.00	515.00	657.00
204780	30 x 1,50	21.70	554.00	715.00
204783	34 x 1,50	23.60	635.00	788.00
204788	40 x 1,50	25.80	725.00	930.00
204794	50 x 1,50	27.60	885.00	1168.00
204798	61 x 1,50	30.50	1120.00	1386.00
204802	2 x 2,50	9.10	96.00	134.00
204803	3 x 2,50	9.60	118.00	155.00
204804	4 x 2,50	11.20	147.00	195.00
204805	5 x 2,50	12.00	176.00	237.00
204807	7 x 2,50	12.80	253.00	321.00
204812	12 x 2,50	16.80	375.00	528.00
204814	14 x 2,50	18.10	415.00	599.00
204817	18 x 2,50	19.70	520.00	755.00
204852	4 x 4,00	15.40	249.00	351.00
204853	5 x 4,00	16.30	270.00	502.00
204855	7 x 4,00	17.40	360.00	553.00
204863	4 x 6,00	17.00	310.00	533.00
204864	5 x 6,00	18.80	400.00	600.00
204874	4 x 10,00	20.30	535.00	901.00
204875	5 x 10,00	22.30	700.00	1048.00
204880	4 x 16,00	24.50	810.00	1080.00
204881	5 x 16,00	26.40	1030.00	1250.00

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 C-600 0,6/1 kV as well