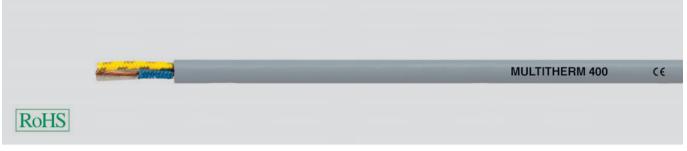
MULTITHERM® 400 halogen-free



Technical data

- Special Cu-nickel silicone-insulated cable with enhanced heat resistance
- Temperature range -60 °C to +400 °C (up to +500 °C for short time)
- Nominal voltage 500 V
- Test voltage 2500 V
- Minimum bending radius approx. 5x cable Ø

Cable structure

- Cu wires, finely stranded, nickel plated (ASTM B 355)
- Core insulation of braided glass-fibre impregnated with silicone
- Second core insulation of glass-fibre braiding impregnated with silicone
- Overall lay up of cores
- Core identification according to colour coding listed below
- Common outer sheath of glass-fibre braiding impregnated with silicone
- Sheath colour grey

Properties

- Asbestos and cadmium-free Colour code
- No. of cores **with** protective earth conductor
 - 3 = gn-ye/bl/bn
 - 4 = gn-ye/bk/bl/bn
 - 5 = gn-ye/bk/bl/bn/wh
 - 6 = gn-ye/bk/bl/bn/wh/rd
 - 7 = gn-ye/bk/bl/bn/wh/rd/gy
- No. of cores **without** protective earth conductor
 - 2 = bl/bn
 - 3 = bk/bl/bn
 - 4 = bk/bl/bn/wh
 - 5 = bk/bl/bn/wh/rd
 - 6 = bk/bl/bn/wh/rd/gy
 - 7 = bk/bl/bn/wh/rd/gy/gn

Note

- Enquire for further configurations and core cross sections for your requirements.
- We supply customised cables for temperature ranges up to approx. 1600 °C.
 Please enquire for minimum ordering quantities and delivery times.
- screened analogue type:
 MULTITHERM® 400 -ES
 see page E 20

Application

MULTITHERM 400 cables are used for applications where extremely high connecting and ambient temperatures can arise, e.g. in iron and steel works, rolling mills, foundries, glass and ceramic factories, in furnace and power plant construction, during thermoplastic moulding processes etc. The special construction of the cable is designed for a recommended maximum temperature in damp environments of 220 °C and for dry environments above this temperature.

CE The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg / km	AWG-No.
51741	2 x 0,5	6,2	10,0	47,0	20
51742	3 x 0,5	6,4	15,0	50,0	20
51743	4 x 0,5	7,5	19,0	70,0	20
51744	5 x 0,5	8,0	25,0	81,0	20
51745	6 x 0,5	8,6	30,0	97,0	20
51746	7 x 0,5	8,7	34,0	105,0	20
51747	2 x 0,75	6,7	14,4	55,0	18
51748	3 x 0,75	7,0	21,6	66,0	18
51749	4 x 0,75	8,0	29,0	86,0	18
51750	5 x 0,75	8,8	36,0	103,0	18
51751	6 x 0,75	9,5	43,0	119,0	18
51752	7 x 0,75	9,7	50,0	130,0	18
51753	2 x 1	6,9	19,0	63,0	17
51754	3 x 1	7,8	29,0	82,0	17
51755	4 x 1	8,3	38,0	98,0	17
51756	5 x 1	9,1	48,0	119,0	17
51757	6 x 1	9,8	58,0	138,0	17
51758	7 x 1	10,0	67,0	150,0	17
51759	2 x 1,5	8,0	29,0	87,0	16
51760	3 x 1,5	8,3	43,0	103,0	16
51761	4 x 1,5	9,1	58,0	128,0	16
51762	5 x 1,5	10,0	72,0	150,0	16
51763	6 x 1,5	10,7	88,0	175,0	16
51764	7 x 1,5	11,0	101,0	190,0	16
51765	2 x 2,5	9,2	48,0	135,0	14
51766	3 x 2,5	9,7	72,0	153,0	14
51767	4 x 2,5	10,6	96,0	190,0	14
50060	5 x 2,5	11,8	120,0	230,0	14

20	50063
20	50064
20	50065
20	50066
18	50067
18	50068
18	50069
18	50070
18	50071
18	50072
17	
17	
17	
17	
17	
17	
16	
16	
16	
16	

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.
50061	6 x 2,5	12,8	144,0	270,0	14
50062	7 x 2,5	13,0	168,0	295,0	14
50063	2 x 4	11,0	77,0	191,0	12
50064	3 x 4	11,4	115,0	224,0	12
50065	4 x 4	13,0	154,0	285,0	12
50066	5 x 4	14,5	192,0	360,0	12
50067	7 x 4	16,5	270,0	485,0	12
50068	3 x 6	14,2	173,0	340,0	10
50069	4 x 6	16,2	230,0	442,0	10
50070	5 x 6	17,7	288,0	535,0	10
50071	4 x 10	20,0	384,0	710,0	8
50072	4 x 16	24,5	615,0	990,0	6

Dimensions and specifications may be changed without prior notice. (RE01)

