

# HELUTHERM® 400 Insulation class C



## Technical data

- Special core insulation
- Mono or multi coloured
- **Temperature range**  
-60 °C to +400 °C  
operating temperature  
(up to +450 °C for short time)
- **Nominal voltage** 500 V
- **Test voltage** 2000 V
- **Minimum bending radius**  
approx. 15x cable ø
- **Radiation resistance**  
up to 1x10<sup>10</sup> cJ/kg (up to 1x10<sup>4</sup> Mrad)

## Cable structure

- Stranded nickel conductor
- Overlapping with special heat-resistant impregnation

## Properties

- These cables have very good electronic, chemical and radiation resistant properties

## Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- Also available with additional Kapton film at extra cost.

## Application

The wide temperature range offered by this cable type makes it especially suited for use in the aviation and aerospace industries, for atomic power stations and in the steel making and chemical industries.

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

Cross-section mm <sup>2</sup>	Conductor construction	Outer Ø approx. mm	Nickel weight kg / km	black	gn-ye	blue	brown	red	white	grey	vio	ye	Beige	pink	og	2-col.	trans
Part no. 0,5	16 x 0,2	2,2	4,8	50901	50900	50902	50903	50904	50905	50906	50907	50908	50912	50911	50909	50913	50910
Part no. 0,75	24 x 0,2	2,4	7,2	50915	50914	50916	50917	50918	50919	50920	50921	50922	50926	50925	50923	50927	50924
Part no. 1	32 x 0,2	2,7	9,6	50929	50928	50930	50931	50932	50933	50934	50935	50936	50940	50939	50937	50941	50938
Part no. 1,5	30 x 0,25	2,8	14,4	50943	50942	50944	50945	50946	50947	50948	50949	50950	50954	50953	50951	50955	50952
Part no. 2,5	50 x 0,25	3,4	24,0	50957	50956	50958	50959	50960	50961	50962	50963	50964	50968	50967	50965	50969	50966
Part no. 4	56 x 0,3	4,5	38,0	50971	50970	50972	50973	50974	50975	50976	50977	50978	50982	50981	50979	50983	50980
Part no. 6	84 x 0,3	4,9	58,0	50985	50984	50986	50987	50988	50989	50990	50991	50992	50996	50995	50993	50997	50994
Part no. 10	141 x 0,3	5,8	96,0	50890	50209	50891	50892	50893	50894	50895	50896	50897	51561	51560	50898	51562	51559
Part no. 16	226 x 0,3	7,4	154,0	51564	51563	51565	51566	51567	51568	51569	51570	51571	51575	51574	51572	51576	51573
Part no. 25	196 x 0,4	9,6	240,0	51578	51577	51579	51580	51581	51582	51583	51584	51585	51589	51588	51586	51590	51587
Part no. 35	276 x 0,4	11,5	336,0	51592	51591	51593	51594	51595	51596	51597	51598	51599	51603	51602	51600	51604	51601
Part no. 50	396 x 0,4	12,7	480,0	51606	51605	51607	51608	51609	51610	51611	51612	51613	51617	51616	51614	51618	51615
Part no. 70	360 x 0,5	16,0	672,0	51620	51619	51621	51622	51623	51624	51625	51626	51627	51631	51630	51628	51632	51629
Part no. 95	485 x 0,5	18,0	912,0	51634	51633	51635	51636	51637	51638	51639	51640	51641	51645	51644	51642	51646	51643
Part no. 120	608 x 0,5	19,0	1152,0	51648	51647	51649	51650	51651	51652	51653	51654	51655	51659	51658	51656	51660	51657
Part no. 150	756 x 0,5	22,0	1440,0	51662	51661	51663	51664	51665	51666	51667	51668	51669	51673	51672	51670	51674	51671
Part no. 185	944 x 0,5	24,0	1776,0	51676	51675	51677	51678	51679	51680	51681	51682	51683	51687	51686	51684	51688	51685
Part no. 240	1222 x 0,5	27,0	2304,0	51690	51689	51691	51692	51693	51694	51695	51696	51697	51701	51700	51698	51702	51699

Dimensions and specifications may be changed without prior notice. (RK01)