

# DMFRO™ / Multicores

HFI 140 insulated, HFS 125 XL sheathed, LSZH multicores  
 Intended for use in equipment on ships, offshore units and high speed & light craft  
 600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
Description	Article Number	No. of cores	Tin Plated Copper (TPC)		HFI 140	TPC braid	HFS 125 XL	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Shield/s	Sheath/s			
		Lay up	mm²	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
DMFRO 2 x 0,5	700077102	2	0.50	0.88	1.28	3.5	5.5	47	32.7	N/A
DMFRO 2 x 0,75	700078397		0.75	1.05	1.45	3.8	5.8	57	21.8	N/A
DMFRO 2 x 1,0	700077144		1.0	1.20	1.60	4.1	6.1	61	16.3	17
DMFRO 2 x 1,5	700074243		1.5	1.50	2.00	5.0	7.0	95	10.9	22
DMFRO 2 x 2,5	700077161		2.5	1.95	2.45	5.9	8.1	113	6.2	27
DMFRO 2 x 6	* 700077170		6	2.92	4.00	9.0	11.4	227	2.7	47
DMFRO 2 x 10	* 700077174		10	3.93	5.10	11.4	13.7	354	1.6	65
DMFRO 3 x 0,5	700074244	3	0.50	0.88	1.28	3.7	5.7	54	32.7	N/A
DMFRO 3 x 0,75	700070252		0.75	1.05	1.45	4.0	6.0	64	21.8	N/A
DMFRO 3 x 1,0	700077145		1.0	1.20	1.60	4.3	6.3	72	16.3	14
DMFRO 3 x 1,5	700074245		1.5	1.50	2.00	5.3	7.5	106	10.9	18
DMFRO 3 x 2,5	700077162		2.5	1.95	2.45	6.3	8.5	141	6.2	22
DMFRO 3 x 6	* 700077171		6	2.92	4.00	9.6	12.0	295	2.7	39
DMFRO 3 x 10	* 700077175		10	3.93	5.10	12.2	14.8	481	1.6	53
DMFRO 4 x 0,5	700074246	4	0.50	0.88	1.28	4.0	6.0	62	32.7	N/A
DMFRO 4 x 0,75	700074247		0.75	1.05	1.45	4.4	6.4	75	21.8	N/A
DMFRO 4 x 1,0	700077146		1.0	1.20	1.60	4.8	6.8	86	16.3	14
DMFRO 4 x 1,5	700074248		1.5	1.50	2.00	5.8	8.0	126	10.9	18
DMFRO 4 x 2,5	700077163		2.5	1.95	2.45	6.9	9.1	170	6.2	22
DMFRO 4 x 6	* 700077172		6	2.92	4.00	10.9	13.2	381	2.7	39
DMFRO 4 x 10	* 700077176		10	3.93	5.10	13.5	16.2	608	1.6	53
DMFRO 5 x 0,5	700077106	5	0.50	0.88	1.28	4.4	6.4	71	32.7	N/A
DMFRO 5 x 0,75	700074249		0.75	1.05	1.45	4.8	6.8	86	21.8	N/A
DMFRO 5 x 1,0	700077147		1.0	1.20	1.60	5.2	7.2	99	16.3	11
DMFRO 5 x 1,5	700077154		1.5	1.50	2.00	6.4	8.6	148	10.9	14
DMFRO 5 x 2,5	700077164		2.5	1.95	2.45	7.6	9.8	200	6.2	17
DMFRO 5 x 6	* 700077173		6	2.92	4.00	12.0	14.6	466	2.7	30
DMFRO 5 x 10	* 700077177		10	3.93	5.10	15.0	17.7	734	1.6	43

\* Current ratings are stated for cables without earth wire

Cable identification										
Cores	White & numbered									1 2 3 4
Sheath	Black									●
Marking	HABIA CABLE DMFRO ## x ### 0.6/1 kV Article No. YYYY-Www - Factory batchcode - IEC 60332-3-25									

Characteristics and key properties																			
		RoHS REACH LVD	<b>Current rating</b> DNV GL-OS-D201	<b>Fluid resistant</b> Fuel Oil MUD Water	<b>Flame resistant</b> IEC 60332-1-2 IEC 60332-3-22	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b> IEC 61034-2	<b>MBR</b> Fixed = 5x Ø	<b>Approval</b> NEK TS 606 SHF2 MUD	<b>Approval</b> ABS	<b>Approval</b> (excl. * items) BV	<b>Approval</b> CCS	<b>Approval</b> DNV GL	<b>Approval</b> LR	<b>Approval</b> NK	<b>Temp installation</b> -40°C	<b>Temp low certified</b> -30°C	<b>Temp &gt;20,000 hrs certified</b> +95°C	<b>Temp peak</b> +135°C

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Description	Article Number	No. of cores	Tin Plated Copper (TPC)		HFI 140	TPC braid	HFS 125 XL	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Shield/s	Sheath/s			
		Lay up	mm²	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
DMFRO 7 x 0,5	700077108	7	0.50	0.88	1.28	4.7	6.7	84	32.7	N/A
DMFRO 7 x 0,75	700074251		0.75	1.05	1.45	5.3	7.3	106	21.8	N/A
DMFRO 7 x 1,0	700077148		1.0	1.20	1.60	5.7	7.9	126	16.3	9
DMFRO 7 x 1,5	700074252		1.5	1.50	2.00	7.0	9.4	189	10.9	12
DMFRO 7 x 2,5	700077165		2.5	1.95	2.45	8.4	10.8	260	6.2	15
DMFRO 8 x 0,75	700074253	8	0.75	1.05	1.45	6.1	8.1	121	21.8	N/A
DMFRO 9 x 0,5	700074254	9	0.50	0.88	1.28	5.6	8.1	117	32.7	N/A
DMFRO 10 x 1,5	700074255	10	1.50	1.50	2.00	9.0	11.4	256	10.9	11
DMFRO 12 x 0,5	700077112	12	0.50	0.88	1.28	6.3	8.5	135	32.7	N/A
DMFRO 12 x 0,75	700074256		0.75	1.05	1.45	7.0	9.2	171	21.8	N/A
DMFRO 12 x 1,0	700077149		1.0	1.20	1.60	7.7	9.9	199	16.3	8
DMFRO 12 x 1,5	700077155		1.5	1.50	2.00	9.3	11.7	289	10.9	10
DMFRO 12 x 2,5	700077166		2.5	1.95	2.45	11.4	13.8	423	6.2	13
DMFRO 14 x 0,75	700077131	14	0.75	1.05	1.45	7.4	9.6	190	21.8	N/A
DMFRO 14 x 1,5	700077156		1.5	1.50	2.00	10.0	12.3	336	10.9	10
DMFRO 19 x 0,5	700077117	19	0.50	0.88	1.28	7.4	9.6	183	32.7	N/A
DMFRO 19 x 0,75	700077135		0.75	1.05	1.45	8.3	10.5	238	21.8	N/A
DMFRO 19 x 1,0	700077150		1.0	1.20	1.60	9.0	11.4	285	16.3	7
DMFRO 19 x 1,5	700077157		1.5	1.50	2.00	11.2	13.8	436	10.9	9
DMFRO 19 x 2,5	700077167		2.5	1.95	2.45	13.5	16.2	623	6.2	11
DMFRO 20 x 0,75	* 700074257	20	0.75	1.05	1.45	8.7	10.9	250	21.8	N/A
DMFRO 24 x 1,5	* 700077158	24	1.5	1.50	2.00	13.2	16.0	544	10.9	8
DMFRO 25 x 0,75	* 700074258	25	0.75	1.05	1.45	9.9	12.3	320	21.8	N/A
DMFRO 27 x 0,5	* 700077120	27	0.50	0.88	1.28	8.9	11.3	258	32.7	N/A
DMFRO 27 x 0,75	* 700077138		0.75	1.05	1.45	9.9	12.3	322	21.8	N/A
DMFRO 27 x 1,0	* 700077151		1.0	1.20	1.60	11.1	13.3	391	16.3	6
DMFRO 27 x 1,5	* 700077159		1.5	1.50	2.00	13.5	16.3	594	10.9	8
DMFRO 27 x 2,5	* 700077168		2.5	1.95	2.45	16.3	19.3	859	6.2	10

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Sheath	Black									●
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Characteristics and key properties																			
<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD	<b>Current rating</b> DNV GL-OS-D201	<b>Fluid resistant</b> Fuel Oil MUD Water	<b>Flame resistant</b> IEC 60332-1-2 IEC 60332-3-22	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b> IEC 61034-2	<b>MBR</b> Fixed = 5x Ø	<b>Approval</b> NEK TS 606 SHF2 MUD	<b>Approval</b> ABS	<b>Approval</b> (excl. * items) BV	<b>Approval</b> CCS	<b>Approval</b> DNV GL	<b>Approval</b> LR	<b>Approval</b> NK	<b>Temp installation</b> -40°C	<b>Temp low certified</b> -30°C	<b>Temp &gt;20,000 hrs certified</b> +95°C	<b>Temp peak</b> +135°C


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			Conductor size		Insulation	Shield/s	Sheath/s			
Description	Article Number	Lay up	mm²	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
DMFRO 37 x 0,75	* 700077141	37	0.75	1.05	1.45	11.4	13.8	429	21.8	N/A
DMFRO 37 x 1,5	* 700077160		1.5	1.50	2.00	15.2	18.2	776	10.9	7
DMFRO 37 x 2,5	* 700077169		2.5	1.95	2.45	18.3	21.5	1129	6.2	9
DMFRO 50 x 0,5	* 700077124	50	0.50	0.88	1.28	11.6	14.2	419	32.7	N/A
DMFRO 50 x 0,75	* 700077143		0.75	1.05	1.45	13.0	15.6	557	21.8	N/A

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