

P105 BFOU / Multicores

(P5/P12) EPR+Mica insulated, SHF2 MUD sheathed, screened LSZH multicores to NEK TS 606
Intended for use as fire resistant cable in offshore installations for control, lighting and power

600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
		No. of cores	Tin Plated Copper (TPC)		EPR	TPC braid	SHF2 MUD	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Armour / shield	Sheath/s			
Description	Article Number	Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P105 BFOU M 2× 1,0	975020100Nc	2	1.0	1.20	3.79	10.6	13.0	TBC	21.2	15
P105 BFOU M 2× 1,5	975020150Nc		1.5	1.50	4.11	11.8	14.4	TBC	14.5	20
P105 BFOU M 2× 2,5	975020250Nc		2.5	1.95	4.53	12.7	15.3	TBC	8.71	26
P105 BFOU M 2× 4	975020400Nc		4.0	2.48	5.06	13.7	16.4	TBC	4.95	34
P105 BFOU M 2× 6	975020600Nc		6.0	2.92	5.51	14.6	17.4	TBC	3.30	44
P105 BFOU M 2× 10	975021000Nc		10.0	3.93	6.53	16.7	19.6	TBC	1.91	61
P105 BFOU M 2× 16	975021600Nc		16.0	5.70	7.88	19.4	22.5	TBC	1.21	82
P105 BFOU M 2× 25	975022500Nc		25.0	7.20	9.42	22.4	25.8	TBC	0.780	108
P105 BFOU M 2× 35	975023500Nc		35.0	8.40	10.68	25.0	28.6	TBC	0.554	133
P105 BFOU M 2× 50	975025000Nc		50.0	10.30	12.58	29.2	33.1	TBC	0.386	137
P105 BFOU M 2× 70	975027000Nc		70.0	12.40	14.38	33.2	37.4	TBC	0.272	206
P105 BFOU M 3× 1,0	975030100Nc	3	1.0	1.20	3.79	11.8	14.3	TBC	21.2	13
P105 BFOU M 3× 1,5	975030150Nc		1.5	1.50	4.11	12.5	15.1	TBC	14.5	16
P105 BFOU M 3× 2,5	975030250Nc		2.5	1.95	4.53	13.4	16.1	391	8.71	21
P105 BFOU M 3× 4	975030400Nc		4.0	2.48	5.06	14.5	17.3	485	4.95	28
P105 BFOU M 3× 6	975030600Nc		6.0	2.92	5.51	15.5	18.3	TBC	3.30	36
P105 BFOU M 3× 10	975031000Nc		10.0	3.93	6.53	17.7	20.7	TBC	1.91	50
P105 BFOU M 3× 16	975031600Nc		16.0	5.70	7.88	20.6	23.9	TBC	1.21	67
P105 BFOU M 3× 25	975032500Nc		25.0	7.20	9.42	23.9	27.5	TBC	0.780	89
P105 BFOU M 3× 35	975033500Nc		35.0	8.40	10.68	26.7	30.4	TBC	0.554	110
P105 BFOU M 3× 50	975035000Nc		50.0	10.30	12.58	31.2	35.3	TBC	0.386	137
P105 BFOU M 3× 70	975037000Nc		70.0	12.40	14.38	35.5	39.9	TBC	0.272	169

* Current ratings are stated for cables without earth wire

Cable identification (Option 1 as standard. Change 'N' to a 'G' in the article number to select Option 2)	
Cores Option 1 without earth	2 cores in a layer: 1 st Brown, 2 nd Blue 3 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey 4 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Blue 5 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Black, 5 th Blue >6 cores in a layer: All cores White, numbered
Cores Option 2 with earth	3 cores in a layer: 1 st Brown, 2 nd Blue, 3 rd Yellow/Green 4 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Yellow/Green 5 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Yellow/Green, 5 th Blue >6 cores in a layer: All cores White, numbered plus 1 Yellow/Green
Sheath	Black (0) as standard - change 'c' in article number to a number '0'-9' to select alternative
Marking	Length - HABIA CABLE AB - Type - M - Volts - No. of parts x CSA - IEC 60331-1/2 (120min) - IEC 60332-3-22 - Article - Year-Week - Batchcode

Option 1

Option 2



0 1 2 3 4 5 6 7 8 9

Characteristics and key properties										
CE		RoHS REACH LVD		Current rating IEC 60092- 352 B.4	Fluid resistant Fuel Oil MUD Water	Fire resistant IEC 60331-1 IEC 60331-2	Flame resistant IEC 60332-1-2 IEC 60332-3-22	Halogen free IEC 60754-1 IEC 60754-2	Smoke free IEC 61034-2	MBR Fixed = 6x Ø
Approval NEK TS 606 SHF2 MUD	Approval DNV GL IEC 60092- 353	Approval DNV GL NEK TS 606					Temp installation -20°C	Temp low -50°C	Temp >20,000 hrs +90°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.

P105 BFOU / Multicores

(P5/P12) EPR+Mica insulated, SHF2 MUD sheathed, screened LSZH multicores to NEK TS 606
Intended for use as fire resistant cable in offshore installations for control, lighting and power

600/1000 V AC

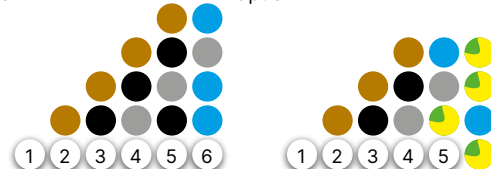
Order reference		Cores				Finished cable			Electrical	
		No. of cores	Tin Plated Copper (TPC)		EPR	TPC braid	SHF2 MUD	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Armour / shield	Sheath/s			
Description	Article Number	Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P105 BFOU M 4× 1,0	975040100Nc	4	1.0	1.20	3.79	12.8	15.4	TBC	21.2	13
P105 BFOU M 4× 1,5	975040150Nc		1.5	1.50	4.11	13.5	16.2	TBC	14.5	16
P105 BFOU M 4× 2,5	975040250Nc		2.5	1.95	4.53	14.6	17.3	TBC	8.71	21
P105 BFOU M 4× 4	975040400Nc		4.0	2.48	5.06	15.8	18.7	TBC	4.95	28
P105 BFOU M 4× 6	975040600Nc		6.0	2.92	5.51	16.9	19.9	TBC	3.30	36
P105 BFOU M 4× 10	975041000Nc		10.0	3.93	6.53	19.4	22.6	TBC	1.91	50
P105 BFOU M 4× 16	975041600Nc		16.0	5.70	7.88	22.7	26.1	TBC	1.21	67
P105 BFOU M 4× 25	975042500Nc		25.0	7.20	9.42	26.4	30.1	TBC	0.780	89
P105 BFOU M 4× 35	975043500Nc		35.0	8.40	10.68	29.8	33.8	TBC	0.554	110
P105 BFOU M 4× 50	975045000Nc		50.0	10.30	12.58	34.9	39.3	TBC	0.386	137
P105 BFOU M 4× 70	975047000Nc		70.0	12.40	14.38	39.2	44.0	TBC	0.272	169
P105 BFOU M 5× 1,0	975050100Nc	5	1.0	1.20	3.79	13.8	16.5	TBC	21.2	10
P105 BFOU M 5× 1,5	975050150Nc		1.5	1.50	4.11	14.7	17.5	TBC	14.5	12
P105 BFOU M 5× 2,5	975050250Nc		2.5	1.95	4.53	15.8	18.7	TBC	8.71	16
P105 BFOU M 5× 4	975050400Nc		4.0	2.48	5.06	17.3	20.2	TBC	4.95	22
P105 BFOU M 5× 6	975050600Nc		6.0	2.92	5.51	18.5	21.6	805	3.30	29
P105 BFOU M 5× 10	975051000Nc		10.0	3.93	6.53	21.2	24.5	TBC	1.91	40
P105 BFOU M 5× 16	975051600Nc		16.0	5.70	7.88	24.9	28.5	TBC	1.21	54
P105 BFOU M 5× 25	975052500Nc		25.0	7.20	9.42	29.4	33.4	TBC	0.780	71
P105 BFOU M 5× 35	975053500Nc		35.0	8.40	10.68	33.3	37.5	TBC	0.554	88
P105 BFOU M 5× 50	975055000Nc		50.0	10.30	12.58	38.4	43.1	TBC	0.386	113
P105 BFOU M 5× 70	975057000Nc		70.0	12.40	14.38	43.6	48.7	TBC	0.272	139

* Current ratings are stated for cables without earth wire

Cable identification (Option 1 as standard. Change 'N' to a 'G' in the article number to select Option 2)	
Cores Option 1 without earth	2 cores in a layer: 1 st Brown, 2 nd Blue 3 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey 4 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Blue 5 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Black, 5 th Blue >6 cores in a layer: All cores White, numbered
Cores Option 2 with earth	3 cores in a layer: 1 st Brown, 2 nd Blue, 3 rd Yellow/Green 4 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Yellow/Green 5 cores in a layer: 1 st Brown, 2 nd Black, 3 rd Grey, 4 th Yellow/Green, 5 th Blue >6 cores in a layer: All cores White, numbered plus 1 Yellow/Green
Sheath	Black (0) as standard - change 'c' in article number to a number '0'-9' to select alternative
Marking	Length - HABIA CABLE AB - Type - M - Volts - No. of parts x CSA - IEC 60331-1/2 (120min) - IEC 60332-3-22 - Article - Year-Week - Batchcode

Option 1

Option 2



Characteristics and key properties										
CE		RoHS REACH LVD		Current rating IEC 60092- 352 B.4	Fluid resistant Fuel Oil MUD Water	Fire resistant IEC 60331-1 IEC 60331-2	Flame resistant IEC 60332-1-2 IEC 60332-3-22	Halogen free IEC 60754-1 IEC 60754-2	Smoke free IEC 61034-2	MBR Fixed = 6x Ø
Approval NEK TS 606 SHF2 MUD	Approval DNV GL IEC 60092- 353	Approval DNV GL NEK TS 606					Temp installation -20°C	Temp low -50°C	Temp >20,000 hrs +90°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.

P105 BFOU / Multicores

(P5/P12) EPR+Mica insulated, SHF2 MUD sheathed, screened LSZH multicores to NEK TS 606
Intended for use as fire resistant cable in offshore installations for control, lighting and power

600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
		No. of cores	Tin Plated Copper (TPC)		EPR	TPC braid	SHF2 MUD	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Armour / shield	Sheath/s			
Description	Article Number	Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P105 BFOU M 7× 1,0	975070100Nc	7	1.0	1.20	3.79	15.0	17.8	TBC	21.2	8
P105 BFOU M 7× 1,5	975070150Nc		1.5	1.50	4.11	15.9	18.8	TBC	14.5	11
P105 BFOU M 7× 2,5	975070250Nc		2.5	1.95	4.53	17.2	20.2	TBC	8.71	14
P105 BFOU M 12× 1,0	975120100Nc	12	1.0	1.20	5.06	19.4	22.5	TBC	21.2	7
P105 BFOU M 12× 1,5	975120150Nc		1.5	1.50	5.51	20.7	24.0	TBC	14.5	9
P105 BFOU M 12× 2,5	975120250Nc		2.5	1.95	4.53	22.4	25.8	TBC	8.71	12
P105 BFOU M 19× 1,0	975190100Nc	19	1.0	1.20	5.06	22.6	26.0	TBC	21.2	6
P105 BFOU M 19× 1,5	975190150Nc		1.5	1.50	5.51	24.2	27.7	TBC	14.5	8
P105 BFOU M 19× 2,5	975190250Nc		2.5	1.95	4.53	26.3	30.0	TBC	8.71	10
P105 BFOU M 27× 1,0	975270100Nc	27	1.0	1.20	3.79	26.9	30.7	TBC	21.2	5
P105 BFOU M 27× 1,5	975270150Nc		1.5	1.50	4.11	29.3	33.2	TBC	14.5	7
P105 BFOU M 27× 2,5	975270250Nc		2.5	1.95	4.53	32.3	36.5	TBC	8.71	9
P105 BFOU M 32× 1,0	975320100Nc	32	1.0	1.20	3.79	29.4	33.3	TBC	21.2	5
P105 BFOU M 32× 1,5	975320150Nc		1.5	1.50	4.11	31.5	35.7	TBC	14.5	6
P105 BFOU M 32× 2,5	975320250Nc		2.5	1.95	4.53	34.8	39.2	TBC	8.71	9
P105 BFOU M 37× 1,0	975370100Nc	37	1.0	1.20	3.79	30.5	34.6	TBC	21.2	5
P105 BFOU M 37× 1,5	975370150Nc		1.5	1.50	4.11	33.2	37.4	TBC	14.5	6
P105 BFOU M 37× 2,5	975370250Nc		2.5	1.95	4.53	36.1	40.6	TBC	8.71	8

* Current ratings are stated for cables without earth wire

Cable identification (Option 1 as standard. Change 'N' to a 'G' in the article number to select Option 2)

Cores Option 1 without earth
 2 cores in a layer: 1st Brown, 2nd Blue
 3 cores in a layer: 1st Brown, 2nd Black, 3rd Grey
 4 cores in a layer: 1st Brown, 2nd Black, 3rd Grey, 4th Blue
 5 cores in a layer: 1st Brown, 2nd Black, 3rd Grey, 4th Black, 5th Blue
 >6 cores in a layer: All cores White, numbered

Cores Option 2 with earth
 3 cores in a layer: 1st Brown, 2nd Blue, 3rd Yellow/Green
 4 cores in a layer: 1st Brown, 2nd Black, 3rd Grey, 4th Yellow/Green
 5 cores in a layer: 1st Brown, 2nd Black, 3rd Grey, 4th Yellow/Green, 5th Blue
 >6 cores in a layer: All cores White, numbered plus 1 Yellow/Green

Option 1

Option 2



Sheath Black (0) as standard - change 'c' in article number to a number '0-9' to select alternative

0 1 2 3 4 5 6 7 8 9

Marking Length - HABIA CABLE AB - Type - M - Volts - No. of parts x CSA - IEC 60331-1/2 (120min) - IEC 60332-3-22 - Article - Year-Week - Batchcode

Characteristics and key properties

CE		RoHS REACH LVD		Current rating IEC 60092-352 B.4	Fluid resistant Fuel Oil MUD Water	Fire resistant IEC 60331-1 IEC 60331-2	Flame resistant IEC 60332-1-2 IEC 60332-3-22	Halogen free IEC 60754-1 IEC 60754-2	Smoke free IEC 61034-2	MBR Fixed = 6x Ø
Approval NEK TS 606 SHF2 MUD	Approval DNV GL IEC 60092-353	Approval DNV GL NEK TS 606					Temp installation -20°C	Temp low -50°C	Temp >20,000 hrs +90°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.