

# 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	
Description	Article Number	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			
		Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P105 BFOU M 2x 1,0	975020100Nc	2	1.0	1.20	3.79	10.6	13.0	TBC	21.2	15
P105 BFOU M 2x 1,5	975020150Nc		1.5	1.50	4.11	11.8	14.4	TBC	14.5	20
P105 BFOU M 2x 2,5	975020250Nc		2.5	1.95	4.53	12.7	15.3	TBC	8.71	26
P105 BFOU M 2x 4	975020400Nc		4.0	2.48	5.06	13.7	16.4	TBC	4.95	34
P105 BFOU M 2x 6	975020600Nc		6.0	2.92	5.51	14.6	17.4	TBC	3.30	44
P105 BFOU M 2x 10	975021000Nc		10.0	3.93	6.53	16.7	19.6	TBC	1.91	61
P105 BFOU M 2x 16	975021600Nc		16.0	5.70	7.88	19.4	22.5	TBC	1.21	82
P105 BFOU M 2x 25	975022500Nc		25.0	7.20	9.42	22.4	25.8	TBC	0.780	108
P105 BFOU M 2x 35	975023500Nc		35.0	8.40	10.68	25.0	28.6	TBC	0.554	133
P105 BFOU M 2x 50	975025000Nc		50.0	10.30	12.58	29.2	33.1	TBC	0.386	137
P105 BFOU M 2x 70	975027000Nc		70.0	12.40	14.38	33.2	37.4	TBC	0.272	206
P105 BFOU M 3x 1,0	975030100Nc		3	1.0	1.20	3.79	11.8	14.3	TBC	21.2
P105 BFOU M 3x 1,5	975030150Nc	1.5		1.50	4.11	12.5	15.1	TBC	14.5	16
P105 BFOU M 3x 2,5	975030250Nc	2.5		1.95	4.53	13.4	16.1	391	8.71	21
P105 BFOU M 3x 4	975030400Nc	4.0		2.48	5.06	14.5	17.3	485	4.95	28
P105 BFOU M 3x 6	975030600Nc	6.0		2.92	5.51	15.5	18.3	TBC	3.30	36
P105 BFOU M 3x 10	975031000Nc	10.0		3.93	6.53	17.7	20.7	TBC	1.91	50
P105 BFOU M 3x 16	975031600Nc	16.0		5.70	7.88	20.6	23.9	TBC	1.21	67
P105 BFOU M 3x 25	975032500Nc	25.0		7.20	9.42	23.9	27.5	TBC	0.780	89
P105 BFOU M 3x 35	975033500Nc	35.0		8.40	10.68	26.7	30.4	TBC	0.554	110
P105 BFOU M 3x 50	975035000Nc	50.0		10.30	12.58	31.2	35.3	TBC	0.386	137
P105 BFOU M 3x 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 <sup>st</sup> Brown, 2 <sup>nd</sup> Blue 3 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey 4 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Blue 5 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Black, 5 <sup>th</sup> Blue >6 cores in a layer: All cores White, numbered
Cores Option 2 with earth	3 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Blue, 3 <sup>rd</sup> Yellow/Green 4 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Yellow/Green 5 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Yellow/Green, 5 <sup>th</sup> 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										
<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD	<b>Current rating</b> IEC 60092-352 B.4	<b>Fluid resistant</b> Fuel Oil MUD Water	<b>Fire resistant</b> IEC 60331-1 IEC 60331-2	<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 = 6x Ø	
<b>Approval</b> NEK TS 606 SHF2 MUD	<b>Approval</b> DNV GL IEC 60092-353	<b>Approval</b> DNV GL NEK TS 606				<b>Temp installation</b> -20°C	<b>Temp low</b> -50°C	<b>Temp</b> >20,000 hrs +90°C		

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 600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
Description	Article Number	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			
		Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P105 BFOU M 4x 1,0	975040100Nc	4	1.0	1.20	3.79	12.8	15.4	TBC	21.2	13
P105 BFOU M 4x 1,5	975040150Nc		1.5	1.50	4.11	13.5	16.2	TBC	14.5	16
P105 BFOU M 4x 2,5	975040250Nc		2.5	1.95	4.53	14.6	17.3	TBC	8.71	21
P105 BFOU M 4x 4	975040400Nc		4.0	2.48	5.06	15.8	18.7	TBC	4.95	28
P105 BFOU M 4x 6	975040600Nc		6.0	2.92	5.51	16.9	19.9	TBC	3.30	36
P105 BFOU M 4x 10	975041000Nc		10.0	3.93	6.53	19.4	22.6	TBC	1.91	50
P105 BFOU M 4x 16	975041600Nc		16.0	5.70	7.88	22.7	26.1	TBC	1.21	67
P105 BFOU M 4x 25	975042500Nc		25.0	7.20	9.42	26.4	30.1	TBC	0.780	89
P105 BFOU M 4x 35	975043500Nc		35.0	8.40	10.68	29.8	33.8	TBC	0.554	110
P105 BFOU M 4x 50	975045000Nc		50.0	10.30	12.58	34.9	39.3	TBC	0.386	137
P105 BFOU M 4x 70	975047000Nc		70.0	12.40	14.38	39.2	44.0	TBC	0.272	169
P105 BFOU M 5x 1,0	975050100Nc		5	1.0	1.20	3.79	13.8	16.5	TBC	21.2
P105 BFOU M 5x 1,5	975050150Nc	1.5		1.50	4.11	14.7	17.5	TBC	14.5	12
P105 BFOU M 5x 2,5	975050250Nc	2.5		1.95	4.53	15.8	18.7	TBC	8.71	16
P105 BFOU M 5x 4	975050400Nc	4.0		2.48	5.06	17.3	20.2	TBC	4.95	22
P105 BFOU M 5x 6	975050600Nc	6.0		2.92	5.51	18.5	21.6	805	3.30	29
P105 BFOU M 5x 10	975051000Nc	10.0		3.93	6.53	21.2	24.5	TBC	1.91	40
P105 BFOU M 5x 16	975051600Nc	16.0		5.70	7.88	24.9	28.5	TBC	1.21	54
P105 BFOU M 5x 25	975052500Nc	25.0		7.20	9.42	29.4	33.4	TBC	0.780	71
P105 BFOU M 5x 35	975053500Nc	35.0		8.40	10.68	33.3	37.5	TBC	0.554	88
P105 BFOU M 5x 50	975055000Nc	50.0		10.30	12.58	38.4	43.1	TBC	0.386	113
P105 BFOU M 5x 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 <sup>st</sup> Brown, 2 <sup>nd</sup> Blue 3 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey 4 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Blue 5 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Black, 5 <sup>th</sup> Blue >6 cores in a layer: All cores White, numbered
Cores Option 2 with earth	3 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Blue, 3 <sup>rd</sup> Yellow/Green 4 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Yellow/Green 5 cores in a layer: 1 <sup>st</sup> Brown, 2 <sup>nd</sup> Black, 3 <sup>rd</sup> Grey, 4 <sup>th</sup> Yellow/Green, 5 <sup>th</sup> 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										
<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD	<b>Current rating</b> IEC 60092-352 B.4	<b>Fluid resistant</b> Fuel Oil MUD Water	<b>Fire resistant</b> IEC 60331-1 IEC 60331-2	<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 = 6x Ø	
<b>Approval</b> NEK TS 606 SHF2 MUD	<b>Approval</b> DNV GL IEC 60092-353	<b>Approval</b> DNV GL NEK TS 606				<b>Temp installation</b> -20°C	<b>Temp low</b> -50°C	<b>Temp</b> >20,000 hrs +90°C		

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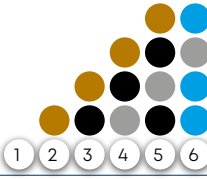
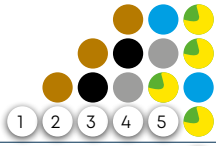

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Order reference		Cores				Finished cable			Electrical	
Description	Article Number	No. of cores	Tin Plated Copper (TPC)		EPR	TPC braid	SHF2 MUD	Weight	DC resistance at 20°C	DC current rating in free air at 45°C
			Conductor size		Insulation	Armour /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

<p><b>Cores</b> Option 1 without earth</p> <p>2 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Blue                  3 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Black, 3<sup>rd</sup> Grey                  4 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Black, 3<sup>rd</sup> Grey, 4<sup>th</sup> Blue                  5 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Black, 3<sup>rd</sup> Grey, 4<sup>th</sup> Black, 5<sup>th</sup> Blue                  &gt;6 cores in a layer: All cores White, numbered</p>	<p><b>Cores</b> Option 2 with earth</p> <p>3 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Blue, 3<sup>rd</sup> Yellow/Green                  4 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Black, 3<sup>rd</sup> Grey, 4<sup>th</sup> Yellow/Green                  5 cores in a layer: 1<sup>st</sup> Brown, 2<sup>nd</sup> Black, 3<sup>rd</sup> Grey, 4<sup>th</sup> Yellow/Green, 5<sup>th</sup> Blue                  &gt;6 cores in a layer: All cores White, numbered plus 1 Yellow/Green</p>	<p><b>Option 1</b></p>  <p><b>Option 2</b></p> 
<p><b>Sheath</b> Black (0) as standard - change 'c' in article number to a number '0-9' to select alternative</p> 		
<p><b>Marking</b> 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</p>		

Characteristics and key properties										
		RoHS REACH LVD		<b>Current rating</b> IEC 60092-352 B.4	<b>Fluid resistant</b> Fuel Oil MUD Water	<b>Fire resistant</b> IEC 60331-1 IEC 60331-2	<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 = 6x Ø
<b>Approval</b> NEK TS 606 SHF2 MUD	<b>Approval</b> DNV GL IEC 60092-353	<b>Approval</b> DNV GL NEK TS 606					<b>Temp installation</b> -20°C	<b>Temp low</b> -50°C	<b>Temp</b> >20,000 hrs +90°C	

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