

P101 RFOU / Multicores

(P1/P8) EPR insulated, SHF2 MUD sheathed, screened LSZH multicores to NEK TS 606
 Intended for use 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 *
P101 RFOU M 2x 1,0	974020100Nc	2	1.0	1.21	3.21	9.4	11.8	TBC	21.2	15
P101 RFOU M 2x 1,5	974020150Nc		1.5	1.53	3.53	10.1	12.5	TBC	14.5	20
P101 RFOU M 2x 2,5	974020250Nc		2.5	1.95	3.95	10.9	13.4	TBC	8.71	26
P101 RFOU M 2x 4	974020400Nc		4.0	2.48	4.48	12.6	15.2	TBC	4.95	34
P101 RFOU M 2x 6	974020600Nc		6.0	2.93	4.93	13.5	16.1	TBC	3.30	44
P101 RFOU M 2x 10	974021000Nc		10.0	3.95	5.95	15.5	18.3	TBC	1.91	61
P101 RFOU M 2x 16	974021600Nc		16.0	5.30	7.30	18.2	21.3	TBC	1.21	82
P101 RFOU M 2x 25	974022500Nc		25.0	6.44	8.84	21.3	24.6	TBC	0.780	108
P101 RFOU M 2x 35	974023500Nc		35.0	7.70	10.10	23.8	27.3	TBC	0.554	133
P101 RFOU M 2x 50	974025000Nc		50.0	9.20	12.00	27.6	31.4	TBC	0.386	137
P101 RFOU M 2x 70	974027000Nc		70.0	11.00	13.80	31.6	35.7	TBC	0.272	206
P101 RFOU M 3x 1,0	974030100Nc		3	1.0	1.21	3.21	9.9	12.3	TBC	21.2
P101 RFOU M 3x 1,5	974030150Nc	1.5		1.53	3.53	10.6	13.1	TBC	14.5	16
P101 RFOU M 3x 2,5	974030250Nc	2.5		1.95	3.95	12.1	14.7	TBC	8.71	21
P101 RFOU M 3x 4	974030400Nc	4.0		2.48	4.48	13.3	15.9	TBC	4.95	28
P101 RFOU M 3x 6	974030600Nc	6.0		2.93	4.93	14.2	17.0	TBC	3.30	36
P101 RFOU M 3x 10	974031000Nc	10.0		3.95	5.95	16.5	19.4	TBC	1.91	50
P101 RFOU M 3x 16	974031600Nc	16.0		5.30	7.30	19.4	22.5	TBC	1.21	67
P101 RFOU M 3x 25	974032500Nc	25.0		6.44	8.84	22.7	26.1	TBC	0.780	89
P101 RFOU M 3x 35	974033500Nc	35.0		7.70	10.10	25.4	29.0	TBC	0.554	110
P101 RFOU M 3x 50	974035000Nc	50.0		9.20	12.00	29.9	33.9	TBC	0.386	137
P101 RFOU M 3x 70	974037000Nc	70.0		11.00	13.80	34.2	38.6	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 60332-3-22 - Article - Year-Week - Batchcode

Option 1

Option 2



Characteristics and key properties										
CE	UK CA	RoHS REACH LVD		Current rating IEC 60092-352 B.4	Fluid resistant Fuel Oil MUD Water		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	

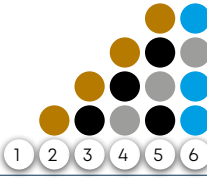
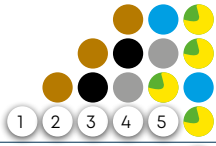

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 600/1000 V AC

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 *
P101 RFOU M 4x 1,0	974040100Nc	4	1.0	1.21	3.21	10.8	13.2	TBC	21.2	13
P101 RFOU M 4x 1,5	974040150Nc		1.5	1.53	3.53	12.1	14.7	TBC	14.5	16
P101 RFOU M 4x 2,5	974040250Nc		2.5	1.95	3.95	13.2	15.8	TBC	8.71	21
P101 RFOU M 4x 4	974040400Nc		4.0	2.48	4.48	14.4	17.2	TBC	4.95	28
P101 RFOU M 4x 6	974040600Nc		6.0	2.93	4.93	15.5	18.4	TBC	3.30	36
P101 RFOU M 4x 10	974041000Nc		10.0	3.95	5.95	18.0	21.0	TBC	1.91	50
P101 RFOU M 4x 16	974041600Nc		16.0	5.30	7.30	21.3	24.6	TBC	1.21	67
P101 RFOU M 4x 25	974042500Nc		25.0	6.44	8.84	25.0	28.6	TBC	0.780	89
P101 RFOU M 4x 35	974043500Nc		35.0	7.70	10.10	28.0	31.9	TBC	0.554	110
P101 RFOU M 4x 50	974045000Nc		50.0	9.20	12.00	33.5	37.7	TBC	0.386	137
P101 RFOU M 4x 70	974047000Nc		70.0	11.00	13.80	37.8	42.4	TBC	0.272	169
P101 RFOU M 5x 1,0	974050100Nc		5	1.0	1.21	3.21	12.3	14.8	TBC	21.2
P101 RFOU M 5x 1,5	974050150Nc	1.5		1.53	3.53	13.1	15.8	TBC	14.5	12
P101 RFOU M 5x 2,5	974050250Nc	2.5		1.95	3.95	14.3	17.0	TBC	8.71	16
P101 RFOU M 5x 4	974050400Nc	4.0		2.48	4.48	15.7	18.6	TBC	4.95	22
P101 RFOU M 5x 6	974050600Nc	6.0		2.93	4.93	16.9	19.9	TBC	3.30	29
P101 RFOU M 5x 10	974051000Nc	10.0		3.95	5.95	19.7	22.8	TBC	1.91	40
P101 RFOU M 5x 16	974051600Nc	16.0		5.30	7.30	23.3	26.8	TBC	1.21	54
P101 RFOU M 5x 25	974052500Nc	25.0		6.44	8.84	27.5	31.3	TBC	0.780	71
P101 RFOU M 5x 35	974053500Nc	35.0		7.70	10.10	31.3	35.4	TBC	0.554	88
P101 RFOU M 5x 50	974055000Nc	50.0		9.20	12.00	36.8	41.1	TBC	0.386	113
P101 RFOU M 5x 70	974057000Nc	70.0		11.00	13.80	42.1	47.0	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)	
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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	Option 2 
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 60332-3-22 - Article - Year-Week - Batchcode

Characteristics and key properties										
		RoHS REACH LVD		Current rating IEC 60092-352 B.4	Fluid resistant Fuel Oil MUD Water		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	

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			Conductor size		Insulation	Armour / shield	Sheath/s			
		Lay up	mm ² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps *
P101 RFOU M 7x 1,0	974070100Nc	7	1.0	1.21	3.21	13.2	15.9	TBC	21.2	8
P101 RFOU M 7x 1,5	974070150Nc		1.5	1.53	3.53	14.2	16.9	TBC	14.5	11
P101 RFOU M 7x 2,5	974070250Nc		2.5	1.95	3.95	15.5	18.3	TBC	8.71	14
P101 RFOU M 12x 1,0	974120100Nc	12	1.0	1.21	3.21	17.0	19.9	TBC	21.2	7
P101 RFOU M 12x 1,5	974120150Nc		1.5	1.53	3.53	18.3	21.3	TBC	14.5	9
P101 RFOU M 12x 2,5	974120250Nc		2.5	1.95	3.95	20.0	23.2	TBC	8.71	12
P101 RFOU M 19x 1,0	974190100Nc	19	1.0	1.21	3.21	19.7	22.8	TBC	21.2	6
P101 RFOU M 19x 1,5	974190150Nc		1.5	1.53	3.53	21.3	24.6	TBC	14.5	8
P101 RFOU M 19x 2,5	974190250Nc		2.5	1.95	3.95	23.4	26.8	TBC	8.71	10
P101 RFOU M 27x 1,0	974270100Nc	27	1.0	1.21	3.21	23.3	26.8	TBC	21.2	5
P101 RFOU M 27x 1,5	974270150Nc		1.5	1.53	3.53	25.3	28.9	TBC	14.5	7
P101 RFOU M 27x 2,5	974270250Nc		2.5	1.95	3.95	27.9	31.7	TBC	8.71	9
P101 RFOU M 32x 1,0	974320100Nc	32	1.0	1.21	3.21	25.1	28.7	TBC	21.2	5
P101 RFOU M 32x 1,5	974320150Nc		1.5	1.53	3.53	27.3	31.0	TBC	14.5	6
P101 RFOU M 32x 2,5	974320250Nc		2.5	1.95	3.95	30.5	34.5	TBC	8.71	9
P101 RFOU M 37x 1,0	974370100Nc	37	1.0	1.21	3.21	26.1	29.8	TBC	21.2	5
P101 RFOU M 37x 1,5	974370150Nc		1.5	1.53	3.53	28.3	32.2	TBC	14.5	6
P101 RFOU M 37x 2,5	974370250Nc		2.5	1.95	3.95	31.7	35.8	TBC	8.71	8

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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	

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