

Datasheet

British Standard 6724	
Type: HK-SO-BS6724 0,6/1kV Cu/XLPE/LSZH/SWA/LSZH	HELUKABEL Part.-No.: 7.....

Technical data

Cable structure:	<ul style="list-style-type: none"> - plain annealed copper conductor Class 2 - XLPE insulated - core identification: <ul style="list-style-type: none"> 2 core (Brown & Blue) 3 core (Brown, Black & Grey) 4 core (Brown, Black, Grey & Blue) 5 core and above white with black numbers - cores stranded in layers - LSZH extruded bedded - SWA single wire armoured - LSZH sheathed black, UV-resistant
Applications:	suitable for power networks, underground, outdoors, indoors and in cable ducts and where fire & emission of smoke and toxic fumes create a serious potential threat.
Operating temperature:	max. conductor temperature +90°C Operating temperature max. +70°C minimum 0 °C for flexing minimum -30°C for fixed installation
Nominal voltage:	0,6/1 kV
Resistance:	<ul style="list-style-type: none"> - HCL emission 0.5% in accordance with BS50267-1 - Completed cables comply with the requirements of fire test BSEN50266-1 (previously BS4066 Part3)
Min. bending radius:	up to 16qmm 6 x overall diameter 25qmm and above 8 x overall diameter

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TWO CORE: REF 6942 XWL

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF INSULATION	DIAMETER OVER LAID UP CORES MM	RT OF BEDDING MM	DIAMETER OVER BEDDING MM	DIAMETER OF ARMOUR WIRE MM	DIAMETER OVER ARMOUR MM	APPROX OVERALL DIAMETER MM	WEIGHT KG/KM
1.5	2	0.6	6.0	0.8	7.7	0.9	9.6	12.3	300
2.5	2	0.7	6.8	0.8	8.5	0.9	10.4	13.6	360
4	2	0.7	7.9	0.8	9.7	0.9	11.6	14.7	420
6	2	0.7	9.1	0.8	10.7	0.9	12.6	15.9	500
10	2	0.7	10.9	0.8	12.7	0.9	14.6	18.0	650
16	2	0.7	12.9	0.8	14.5	1.25	17.0	20.0	910
25	2*	0.9	16.8	0.8	18.4	1.25	20.9	24.1	1060
35	2*	0.9	19.3	1.0	21.3	1.6	24.5	27.9	1480
50	2S	1.0	17.0	1.0	19.0	1.6	22.2	25.8	1800
70	2S	1.1	20.0	1.0	22.0	1.6	25.2	29.0	2300
95	2S	1.1	22.7	1.2	25.1	2.0	29.1	33.1	3170
120	2S	1.2	25.5	1.2	27.9	2.0	31.9	36.1	3800
150	2S	1.4	28.5	1.2	30.9	2.0	34.9	39.3	4500
185	2S	1.6	32.1	1.4	34.9	2.5	39.9	44.7	5800
240	2S	1.7	36.2	1.4	39.0	2.5	44.0	49.0	7280
300	2S	1.8	40.1	1.6	43.3	2.5	48.3	53.5	8750
400	2S	2.0	45.2	1.6	48.4	2.5	53.4	59.0	10700

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THREE CORE: REF 6943 XWL

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF BEDDING MM	DIAMETER OVER BEDDING MM	DIAMETER OF ARMOUR WIRE MM	DIAMETER OVER ARMOUR MM	APPROX OVERALL DIAMETER MM	WEIGHT KG/KM
1.5	2	0.8	8.2	0.9	10.1	12.8	341
2.5	2	0.8	9.1	0.9	11.0	14.1	405
4	2	0.8	10.4	0.9	12.3	15.3	495
6	2	0.8	11.5	0.9	13.4	16.6	600
10	2	0.8	13.7	1.25	16.4	19.5	900
16	2	0.8	15.5	1.25	18.0	21.2	1080
25	2*	1.0	20.1	1.6	23.3	26.7	1750
35	2*	1.0	22.8	1.6	26.0	29.6	2100
50	2S	1.0	21.7	1.6	24.9	28.5	2350
70	2S	1.0	25.2	1.6	28.4	32.2	3150
95	2S	1.2	28.8	2.0	32.8	37.0	4300
120	2S	1.2	32.0	2.0	36.0	40.4	5250
					40.9	45.5	6720
					45.0	49.8	8040
240	2S	1.4	44.9	2.5	49.9	55.1	10150
300	2S	1.6	49.8	2.5	54.8	60.2	12320
400	2S	1.6	55.4	2.5	60.6	66.6	15090

FOUR CORE: REF 6944 XWL

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF BEDDING MM	DIAMETER OVER BEDDING MM	DIAMETER OF ARMOUR WIRE MM	DIAMETER OVER ARMOUR MM	APPROX OVERALL DIAMETER MM	WEIGHT KG/KM
1.5	2	0.8	9.0	0.9	10.9	13.5	390
2.5	2	0.8	10.0	0.9	11.9	15.0	465
4	2	0.8	11.5	0.9	13.4	16.4	579
6	2	0.8	12.7	1.25	15.3	18.7	820
10	2	0.8	15.1	1.25	17.6	21.1	1090
16	2	0.8	17.2	1.25	19.7	22.9	1400
25	2*	1.0	22.3	1.6	25.5	28.9	2100
35	2*	1.0	25.3	1.6	28.5	32.1	2580
50	2S	1.0	25.0	1.6	28.2	32.0	3000
70	2S	1.2	29.5	2.0	33.5	37.7	4300
95	2S	1.2	33.3	2.0	37.3	41.7	5510
120	2S	1.4	37.5	2.5	42.5	47.1	7150
150	2S	1.4	41.6	2.5	46.6	51.4	8500
185	2S	1.4	46.4	2.5	51.4	56.6	10300
240	2S	1.6	52.6	2.5	57.6	63.0	13000
300	2S	1.6	58.0	2.5	63.0	68.8	15750
400	2S	1.8	64.8	3.15	71.3	78.1	20450

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FIVE CORE: REF 6945 XWL

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF BEDDING MM	DIAMETER OVER BEDDING MM	DIAMETER OF ARMOUR WIRE MM	DIAMETER OVER ARMOUR MM	APPROX OVERALL DIAMETER MM	WEIGHT KG/KM
1.5	2	0.8	9.9	0.9	11.8	14.2	433
2.5	2	0.8	11.0	0.9	12.9	16.0	530
4	2	0.8	12.7	1.25	15.3	18.4	775
6	2	0.8	14.0	1.25	16.6	19.7	929
10	2	1.0	17.1	1.25	19.7	23.2	1300
16	2	1.0	19.8	1.6	23.1	26.6	1880
25	2	1.0	24.5	1.6	27.8	31.7	2670

SIX CORE: REF 6946 XWL

1.5	2	0.8	10.9	0.9	12.8	15.2	497
2.5	2	0.8	12.1	0.9	14.0	17.1	609
4	2	0.8	13.9	0.9	16.5	19.7	886
6	2	0.8	15.4	1.25	18.0	21.3	1070
10	2	1.0	18.8	1.6	22.1	25.6	1650
16	2	1.0	21.8	1.6	25.1	28.8	2190
25	2	1.0	26.9	1.6	30.2	34.1	3090

SEVEN CORE: REF 6947 XWL

1.5	2	0.8	10.9	0.9	12.8	15.2	506
2.5	2	0.8	12.1	0.9	14.0	17.1	618
4	2	0.8	13.9	1.25	16.5	19.7	907
6	2	0.8	15.4	1.25	18.0	21.3	1110
10	2	1.0	18.8	1.25	22.1	25.6	1720
16	2	1.0	21.8	1.6	25.1	28.8	2300

TEN CORE: REF 694/10 XWL

1.5	2	0.8	13.9	1.25	16.5	19.8	812
2.5	2	0.8	15.5	1.25	18.1	21.4	989
4	2	1.0	18.3	1.6	21.6	25.1	1410
6	2	1.0	20.3	1.6	23.6	27.3	1680

TWELVE CORE: REF 694/12 XWL

1.5	2	0.8	14.3	1.25	16.9	19.4	854
2.5	2	0.8	16.0	1.25	18.6	22.4	1080
4	2	1.0	18.9	1.6	22.2	25.7	1550
6	2	1.0	21.0	1.6	24.3	28.0	1920

SIXTEEN CORE: REF 694/16 XWL

1.5	2	0.8	16.0	1.25	18.6	21.9	1020
2.5	2	0.8	18.2	1.6	21.5	25.0	1430
4	2	1.0	22.1	1.6	25.4	29.1	1950
6	2	1.0	23.4	1.6	26.7	30.4	2300

3	Revision	04.02.2010	Gundlach
2	Core identification	22.08.2007	Koch
1	New	08.08.2007	Büttner
Version	Changes	Date	Name