









# XLPE/LSHF/SWA/LSHF

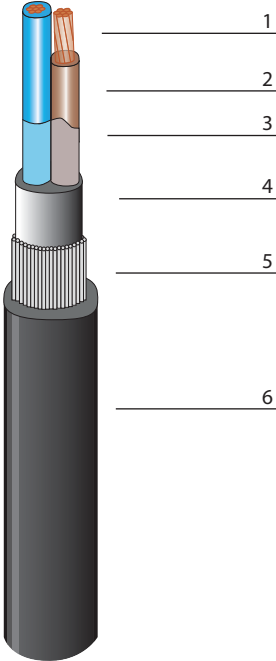
2-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cable with copper conductors.  
Halogen free cable with low emission of smoke and fume.

							
0 - 60 C	Good	Good	Accidental	BS 4066 Part: 3, IEC 332-3 Cat. C	Rigid	Good	LSHF



**DESIGN**

- 1. Conductor**  
Stranded copper complying with BS 6360, class 2.  
1.5-16 mm<sup>2</sup> circular stranded.  
25-240 mm<sup>2</sup> shaped stranded.
- 2. Insulation**  
Extruded XLPE complying with BS 7655: section 1.3, type GP8.
- 3. Core identification**  
Brown, blue
- 4. Lay-up and bedding**  
The cores are laid up in a right hand direction and covered with an extruded layer of polymeric compound having a tensile strength of not less than 4N/mm<sup>2</sup> and an elongation at break not less than 50 %.
- 5. Armour**  
A single layer of galvanised steel wires is laid in a left hand direction.
- 6. Sheath**  
An extruded layer of synthetic material according to BS 7655: Section 6.1, type LTS1.

## CURRENT RATINGS

The current ratings are thoroughly presented in ERA 69-30 presented in ERA 69-30 part V: CURRENT RATING STANDARD FOR DISTRIBUTION CABLES

## STANDARDS

The cable is manufactured and tested according to BS 6724.

## QUALITY SYSTEM

Designed, manufactured and tested in accordance with ISO 9001.

# XLPE/LSHF/SWA/LSHF

2-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cable with copper conductors.  
Halogen free cable with low emission of smoke and fume.

## TECHNICAL DATA

Cross section mm <sup>2</sup>	Conductor diameter , nom mm	Thickness			Outer diameter (D), nom mm	Steel wire diameter nom mm	Weight of cable, nom kg/km	Conductor resistance at 20 C, max ohm/km	Armour resistance at 20 C, max ohm/km	Bending radius, min... at installation mm
		of insulation, nom mm	of sheath, nom mm	of bedding, nom mm						
2x1.5	1.55	0.6	1.3	0.8	12	0.9	280	12.1	10.2	6xD
2x2.5	2.0	0.7	1.4	0.8	13	0.9	335	7.41	8.8	6xD
2x4	2.5	0.7	1.4	0.8	14	0.9	415	4.61	7.9	6xD
2x6	3.0	0.7	1.4	0.8	15	0.9	490	3.08	7.0	6xD
2x10	3.9	0.7	1.5	0.8	17	0.9	625	1.83	6.0	6xD
2x16	4.8	0.7	1.5	0.8	20	1.25	920	1.15	3.7	6xD
2x25	-	0.9	1.6	0.8	23	1.25	1200	0.727	3.7	8xD
2x35	-	0.9	1.7	1.0	27	1.6	1700	0.524	2.6	8xD
2x50	-	1.0	1.8	1.0	28	1.6	1840	0.387	2.3	8xD
2x70	-	1.1	1.9	1.0	29	1.6	2310	0.268	2.0	8xD
2x95	-	1.1	2.0	1.2	32	2.0	3110	0.193	1.4	8xD
2x120	-	1.2	2.1	1.2	34	2.0	3700	0.153	1.3	8xD
2x150	-	1.4	2.2	1.2	38	2.0	4400	0.124	1.2	8xD
2x185	-	1.6	2.4	1.4	44	2.5	6000	0.0991	0.82	8xD
2x240	-	1.7	2.5	1.4	46	2.5	7400	0.0754	0.73	8xD
2x300	-	1.8	2.6	1.6	53	2.5	8900	0.0601	0.67	8xD
2x400	-	2.0	2.8	1.6	59	2.5	11000	0.0407	0.59	8xD

Range of temperature: Installation, minimum 0 C  
Normal operating, maximum 90 C  
Short circuits, maximum 250 C









# XLPE/LSHF/SWA/LSHF

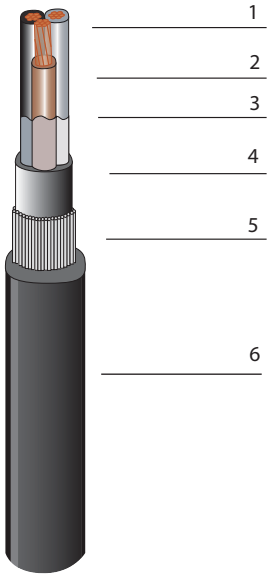
3-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cable with copper conductors  
Halogen free cable with low emission of smoke and fume.

							
0 - 60 C	Good	Good	Accidental	BS 4066 Part: 3, IEC 332-3 Cat. C	Rigid	Good	LSHF



**DESIGN**

**1. Conductor**  
Stranded copper complying with BS 6360, class 2.  
1.5-16 mm<sup>2</sup> circular stranded.  
25-400 mm<sup>2</sup> shaped stranded.

**2. Insulation**  
Extruded XLPE complying with BS 7655: section 1.3, type GP8.

**3. Core identification**  
Brown, black, grey

**4. Lay-up and bedding**  
The cores are laid up in a right hand direction and covered with an extruded layer of polymeric compound having a tensile strength of not less than 4 N/mm<sup>2</sup> and an elongation at break not less than 50 %.

**5. Armour**  
A single layer of galvanised steel wires is laid in a left hand direction.

**6. Sheath**  
An extruded layer of synthetic material according to BS 7655: Section 6.1, type LTS1.

## CURRENT RATINGS

The current ratings are thoroughly presented in ERA 69-30 part V: CURRENT RATING STANDARD FOR DISTRIBUTION CABLES.

## STANDARDS

The cable is manufactured and tested according to BS 6724.

## QUALITY SYSTEM

Designed, manufactured and tested in accordance with ISO 9001.

# XLPE/LSHF/SWA/LSHF

3-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cables with copper conductors.  
Halogen free cable with low emission of smoke and fume.

## TECHNICAL DATA

Cross section mm <sup>2</sup>	Conductor diameter , nom mm	Thickness			Outer diameter (D), nom mm	Steel wire diameter nom mm	Weight of cable, nom kg/km	Conductor resistance at 20 C, max ohm/km	Armour resistance at 20 C, max ohm/km	Bending radius, min... at installation mm
		of insulation, nom mm	of sheath, nom mm	of bedding, nom mm						
3x1.5	1.55	0.6	1.3	0.8	13	0.9	320	12.1	9.50	6xD
3x2.5	2.0	0.7	1.4	0.8	14	0.9	350	7.41	8.20	6xD
3x4	2.5	0.7	1.4	0.8	15	0.9	460	4.61	7.50	6xD
3x6	3.0	0.7	1.4	0.8	16	0.9	520	3.08	6.70	6xD
3x10	3.9	0.7	1.5	0.8	19	1.25	830	1.83	4.00	6xD
3x16	4.8	0.7	1.6	0.8	22	1.25	1080	1.15	3.50	6xD
3x25	-	0.9	1.7	1.0	24	1.6	1650	0.727	2.50	8xD
3x35	-	0.9	1.8	1.0	26	1.6	2010	0.524	2.30	8xD
3x50	-	1.0	1.8	1.0	29	1.6	2470	0.387	2.00	8xD
3x70	-	1.1	1.9	1.0	32	1.6	3220	0.268	1.80	8xD
3x95	-	1.1	2.1	1.2	37	2.0	4310	0.193	1.30	8xD
3x120	-	1.2	2.2	1.2	40	2.0	5200	0.153	1.20	8xD
3x150	-	1.4	2.2	1.4	45	2.5	6700	0.124	0.78	8xD
3x185	-	1.6	2.4	1.4	50	2.5	8000	0.0991	0.71	8xD
3x240	-	1.7	2.6	1.4	55	2.5	9900	0.0754	0.63	8xD
3x300	-	1.8	2.7	1.6	60	2.5	12100	0.0601	0.58	8xD
3x400	-	2.0	2.9	1.6	67	2.5	15000	0.0470	0.52	8xD

Range of temperature: Installation, minimum 0C  
Normal operating, maximum 90 C  
Short circuits, maximum 250 C









# XLPE/LSHF/SWA/LSHF

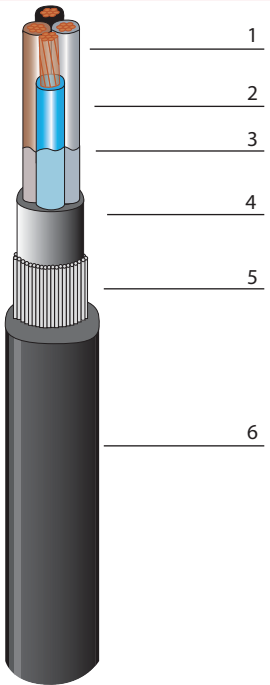
4-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cable with copper conductors  
Halogen free cable with low emission of smoke and fume.

							
0 - 60 C	Good	Good	Accidental	BS 4066 Part: 3, IEC 332-3 Cat. C	Rigid	Good	LSHF



**DESIGN**

- 1. Conductor**  
Stranded copper complying with BS 6360, class 2.  
1.5-16 mm<sup>2</sup> circular stranded.  
25-400 mm<sup>2</sup> shaped stranded.
- 2. Insulation**  
Extruded XLPE complying with BS 7655: section 1.3, type GP8.
- 3. Core identification**  
Brown, black, grey, blue
- 4. Lay-up and bedding**  
The cores are laid up in a right hand direction and covered with an extruded layer of polymeric compound having a tensile strength of not less than 4 Nmm<sup>2</sup> and an elongation at break not less than 50 %.
- 5. Armour**  
A single layer of galvanized steel wires is laid in a left hand direction.
- 6. Sheath**  
An extruded layer of synthetic material according to BS7655: Section 6.1, type LTS1.

## CURRENT RATINGS

The current ratings are thoroughly presented in ERA 69-30 part V: CURRENT RATING STANDARD FOR DISTRIBUTION CABLES.

## STANDARDS

The cable is manufactured and tested according to BS 6724.

## QUALITY SYSTEM

Designed, manufactured and tested in accordance with ISO 9001.

# XLPE/LSHF/SWA/LSHF

4-CORE

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed cable with copper conductors  
Halogen free cable with low emission of smoke and fume.

## TECHNICAL DATA

Cross section mm <sup>2</sup>	Conductor diameter , nom mm	Thickness			Outer diameter (D), nom mm	Steel wire diameter nom mm	Weight of cable, nom kg/km	Conductor resistance at 20 C, max ohm/km	Armour resistance at 20 C, max ohm/km	Bending radius, min ... at installation mm
		of insulation, nom mm	of sheath, nom mm	of bedding, nom mm						
4x1.5	1.55	0.6	1.3	0.8	13	0.9	355	12.1	8.8	6xD
4x2.5	2.0	0.7	1.4	0.8	14	0.9	415	7.41	7.7	6xD
4x4	2.5	0.7	1.4	0.8	16	0.9	515	4.61	6.8	6xD
4x6	3.0	0.7	1.5	0.8	18	1.25	725	3.08	4.3	6xD
4x10	3.9	0.7	1.5	0.8	20	1.25	955	1.83	3.7	6xD
4x16	4.8	0.7	1.6	0.8	22	1.25	1270	1.15	3.7	6xD
4x25	-	0.9	1.7	1.0	27	1.6	1990	0.727	2.3	8xD
4x35	-	0.9	1.8	1.0	30	1.6	2460	0.524	2.0	8xD
4x50	-	1.0	1.9	1.0	32	1.6	3010	0.387	1.8	8xD
4x70	-	1.1	2.1	1.2	38	2.0	4290	0.268	1.2	8xD
4x95	-	1.1	2.2	1.2	42	2.0	5460	0.193	1.1	8xD
4x120	-	1.2	2.3	1.4	47	2.5	7000	0.153	0.76	8xD
4x150	-	1.4	2.4	1.4	51	2.5	8320	0.124	0.68	8xD
4x185	-	1.6	2.6	1.4	51	2.5	10200	0.0991	0.61	8xD
4x240	-	1.7	2.7	1.6	62	2.5	12700	0.0754	0.54	8xD
4x300	-	1.8	2.9	1.6	68	2.5	15400	0.0601	0.49	8xD
4x400	-	2.0	3.2	1.8	78	3.15	20300	0.0470	0.35	8xD

Range of temperature: Installation, minimum 0 C

Normal operating, maximum 90 C

Short circuits, maximum 250 C

# XLPE/LSHF/SWA/LSHF









## AUXILIARY CABLES

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed auxiliary cable with circular stranded copper conductors.

Halogen free cable with low emission of smoke and fume.

							
0 - 60 C	Good	Good	Accidental	BS 4066 Part: 3, IEC 332-3 Cat. C	Rigid	Good	LSHF



**DESIGN**

- 1. Conductor**  
Stranded copper complying with BS 6360, class 2.  
1.5-4 mm<sup>2</sup> circular stranded.
- 2. Insulation**  
Extruded XLPE complying with BS 7655: section 1.3, type GP8.
- 3. Core identification**  
White with black printed number on cores.
- 4. Lay-up and bedding**  
The cores are laid up in a right hand direction and covered with an extruded layer of polymeric compound having a tensile strength of not less than 44N/mm<sup>2</sup> and an elongation at break not less than 50 %.
- 5. Armour**  
A single layer of galvanised steel wires is laid in a left hand direction.
- 6. Sheath**  
An extruded layer of synthetic material according to BS 7655: Section 6.1, type LST1.

### CURRENT RATINGS

The cable can be loaded according to IEC287: CALCULATION OF THE CONTINUOUS CURRENT RATING OF CABLES (100% LOAD FACTOR).

### STANDARDS

The cable is manufactured and tested according to BS 6724.

### QUALITY SYSTEM

Designed, manufactured and tested in accordance with ISO 9001.

# XLPE/LSHF/SWA/LSHF

## AUXILIARY CABLES

BS 6724

600/1000 V

XLPE insulated LSHF bedded steel wire armoured and LSHF sheathed auxiliary cable  
with circular stranded copper conductors.

Halogen free cable with low emission of smoke and fume.

### TECHNICAL DATA

Cross section mm <sup>2</sup>	Conductor diameter , nom mm	Thickness			Outer diameter (D), nom mm	Steel wire diameter nom mm	Weight of cable, nom kg/km	Conductor resistance at 20 C, max ohm/km	Armour resistance at 20 C, max ohm/km	Bending radius, min ... at installation mm
		of insulation, nom mm	of sheath, nom mm	of bedding, nom mm						
7x1.5	1.55	0.6	1.4	0.8	15	0.9	440	12.1	7.5	6xD
12x1.5	1.55	0.6	1.5	0.8	19	1.25	745	12.1	4.0	6xD
19x1.5	1.55	0.6	1.6	0.8	22	1.25	975	12.1	3.5	6xD
27x1.5	1.55	0.6	1.7	1.0	27	1.6	1420	12.1	2.3	6xD
37x1.5	1.55	0.6	1.7	1.0	30	1.6	1760	12.1	2.0	6xD
48x1.5	1.55	0.6	1.8	1.0	33	1.6	2300	12.1	1.8	6xD
7x2.5	2.0	0.7	1.4	0.8	16.2	0.9	560	7.41	6.3	6xD
12x2.5	2.0	0.7	1.6	0.8	22	1.25	940	7.41	3.5	6xD
19x2.5	2.0	0.7	1.7	1.0	26	1.6	1420	7.41	2.3	6xD
27x2.5	2.0	0.7	1.8	1.0	31	1.6	1810	7.41	1.9	6xD
37x2.5	2.0	0.7	1.8	1.0	33	1.6	2250	7.41	1.7	6xD
48x2.5	2.0	0.7	2.0	1.2	39	2.0	3200	7.41	1.2	6xD
7x4	2.5	0.7	1.5	0.8	19	1.25	785	4.61	4.0	6xD
12x4	2.5	0.7	1.6	1.0	25	1.6	1350	4.61	2.3	6xD
19x4	2.5	0.7	1.7	1.0	29	1.6	2000	4.61	2.0	6xD
27x4	2.5	0.7	1.9	1.0	34	1.6	2700	4.61	1.7	6xD
37x4	2.5	0.7	2.0	1.2	39	2.0	3100	4.61	1.2	6xD
48x4	2.5	0.7	2.1	1.2	44	2.0	3600	4.61	1.0	6xD

Range of temperature: Installation, minimum 0 C

Normal operating, maximum 90 C

Short circuits, maximum 250 C