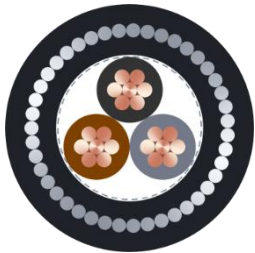


X-FLAM Enhanced 3 Core Power Cable Suitable for Power Station Applications

Enhanced Flame Retardance • LSZH • Steel Wire Armour Protected • BS 6724 • 600/1000V



Cable Construction



Conductor

Stranded Plain Annealed Copper (IEC 60228 Class 2)

Insulation

Extruded XLPE (Crosslinked Polyethylene) Type GP8 to BS 7655

Twisting

3 Cores Laid Up

Binding & Separation

Helically Applied Polyester (Melinex®/Mylar®) Tape

Sheath

Extruded X-FLAM Enhanced LSZH (Enhanced Flame Retardant Low Smoke Zero Halogen) to BS 7655 Type LTS1

Armouring

Galvanised Steel Single Wire Armour
 (In accordance with BS EN 10257-1)

Sheath

Extruded X-FLAM Enhanced LSZH (Enhanced Flame Retardant Low Smoke Zero Halogen) to BS 7655 Type LTS1

Properties & Standards

Design Standard

Generally to BS 6724

Electrical

Voltage Rating	600/1000	V
Max Conductor Resistance (@20°C)	<i>See Table 1</i>	Ω/km

Temperature

Max Conductor Temperature	90	°C
Operating Temperature Range	-15 to +70	°C

Fire Performance

Flame Retardance	IEC 60332-1-2
Flame Retardance	IEC 60332-3-22 (Cat A)
Halogen Gas Content	IEC 60754-1
Gas Acidity	IEC 60754-2
Smoke Emission	IEC 61034

Nominal Dimensions

Conductor Cross Sectional Area	<i>See Table 1</i>	mm ²
Conductor Stranding	<i>See Table 1</i>	mm
Diameter over Insulation	<i>See Table 1</i>	mm
Inner Sheath Diameter	<i>See Table 1</i>	mm
Armour Wire Size	<i>See Table 1</i>	mm
Outer Sheath Diameter	<i>See Table 1</i>	mm

Colours & Identification

Core Identification

1 x Brown Core
 1 x Black Core
 1 x Grey Core

Inner Sheath Colour

Black

Outer Sheath Colour

Black



Table 1

Part Number	Conductor CSA (mm ²)	Conductor Stranding (#/mm)	Insulation Ø (mm)	Inner Sheath Ø (mm)	Armour Wire Ø (mm)	Outer Sheath Ø (mm)	Combustible Mass (kg/m)
XFLAM-3C-0015	1.5	7/0.53	2.79	7.63	0.87	11.97	0.122
XFLAM-3C-0025	2.5	7/0.67	3.41	8.97	0.87	13.51	0.153
XFLAM-3C-0040	4.0	7/0.85	3.95	10.13	0.87	14.69	0.177
XFLAM-3C-0060	6.0	7/1.04	4.52	11.36	0.87	15.90	0.203
XFLAM-3C-0100	10	7/1.35	5.45	13.37	1.21	18.79	0.263
XFLAM-3C-0160	16	7/1.70	6.50	15.64	1.21	21.26	0.329
XFLAM-3C-0250	25	7/2.14	8.22	19.76	1.54	26.24	0.485
XFLAM-3C-0350	35	7/2.52	9.36	22.22	1.54	28.90	0.578
XFLAM-3C-0500	50	19/1.78	10.90	25.94	1.94	33.62	0.760
XFLAM-3C-0700	70	19/2.14	12.90	30.26	1.94	38.54	0.996
XFLAM-3C-0950	95	19/2.52	14.80	34.37	1.94	42.65	1.183

