



ARMoured FIRE RESISTANT POWER CABLE

BS 7846

60 orderable sizes

STANDARD BS 7846	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Copper conductor
INSULATION / JACKET LSZH		

Construction

- 1 ■ **Conductor (per core)** – Copper conductor · 7 × Ø0.52 mm · IEC 60228 cl.2
- 2 ■ **Core insulation** – XLPE
- 3 ■ **Filler** – PP filler
- 4 ■ **Bedding** – PVC bedding
- 5 ■ **Armour** – Galvanised steel wire armour (SWA)
- 6 ■ **Sheath** – LSZH

Size selection — all available cross-sections

Cable reference	Voltage class	Core layout	Conductor size	Fire performance	Protection / screen	OD guide
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 1.5 mm ²	0.6/1 kV	2 core	1.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	20 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 2.5 mm ²	0.6/1 kV	2 core	2.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	20 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 4 mm ²	0.6/1 kV	2 core	4 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	21 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 6 mm ²	0.6/1 kV	2 core	6 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	22 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 10 mm ²	0.6/1 kV	2 core	10 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	24 mm

Cable reference	Voltage class	Core layout	Conductor size	Fire performance	Protection / screen	OD guide
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 16 mm ²	0.6/1 kV	2 core	16 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	26 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 25 mm ²	0.6/1 kV	2 core	25 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	29 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 35 mm ²	0.6/1 kV	2 core	35 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	31 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 50 mm ²	0.6/1 kV	2 core	50 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	34 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 70 mm ²	0.6/1 kV	2 core	70 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	37 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 95 mm ²	0.6/1 kV	2 core	95 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	40 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 120 mm ²	0.6/1 kV	2 core	120 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	43 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 150 mm ²	0.6/1 kV	2 core	150 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	46 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 185 mm ²	0.6/1 kV	2 core	185 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	49 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 2 core 240 mm ²	0.6/1 kV	2 core	240 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	54 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 1.5 mm ²	0.6/1 kV	3 core	1.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	21 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 2.5 mm ²	0.6/1 kV	3 core	2.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	22 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 4 mm ²	0.6/1 kV	3 core	4 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	23 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 6 mm ²	0.6/1 kV	3 core	6 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	24 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 10 mm ²	0.6/1 kV	3 core	10 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	26 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 16 mm ²	0.6/1 kV	3 core	16 mm ²	BS 6387 CWZ / IEC 60331 circuit	SWA armour	28 mm

Cable reference	Voltage class	Core layout	Conductor size	Fire performance	Protection / screen	OD guide
				integrity		
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 25 mm ²	0.6/1 kV	3 core	25 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	30 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 35 mm ²	0.6/1 kV	3 core	35 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	33 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 50 mm ²	0.6/1 kV	3 core	50 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	35 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 70 mm ²	0.6/1 kV	3 core	70 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	38 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 95 mm ²	0.6/1 kV	3 core	95 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	42 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 120 mm ²	0.6/1 kV	3 core	120 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	45 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 150 mm ²	0.6/1 kV	3 core	150 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	48 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 185 mm ²	0.6/1 kV	3 core	185 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	51 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 3 core 240 mm ²	0.6/1 kV	3 core	240 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	56 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 1.5 mm ²	0.6/1 kV	4 core	1.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	23 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 2.5 mm ²	0.6/1 kV	4 core	2.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	24 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 4 mm ²	0.6/1 kV	4 core	4 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	25 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 6 mm ²	0.6/1 kV	4 core	6 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	26 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 10 mm ²	0.6/1 kV	4 core	10 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	28 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 16 mm ²	0.6/1 kV	4 core	16 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	30 mm

Cable reference	Voltage class	Core layout	Conductor size	Fire performance	Protection / screen	OD guide
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 25 mm ²	0.6/1 kV	4 core	25 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	32 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 35 mm ²	0.6/1 kV	4 core	35 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	34 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 50 mm ²	0.6/1 kV	4 core	50 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	37 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 70 mm ²	0.6/1 kV	4 core	70 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	40 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 95 mm ²	0.6/1 kV	4 core	95 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	44 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 120 mm ²	0.6/1 kV	4 core	120 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	46 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 150 mm ²	0.6/1 kV	4 core	150 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	50 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 185 mm ²	0.6/1 kV	4 core	185 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	53 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 4 core 240 mm ²	0.6/1 kV	4 core	240 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	57 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 1.5 mm ²	0.6/1 kV	5 core	1.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	25 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 2.5 mm ²	0.6/1 kV	5 core	2.5 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	26 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 4 mm ²	0.6/1 kV	5 core	4 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	27 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 6 mm ²	0.6/1 kV	5 core	6 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	28 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 10 mm ²	0.6/1 kV	5 core	10 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	30 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 16 mm ²	0.6/1 kV	5 core	16 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	32 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 25 mm ²	0.6/1 kV	5 core	25 mm ²	BS 6387 CWZ / IEC 60331 circuit	SWA armour	34 mm

Cable reference	Voltage class	Core layout	Conductor size	Fire performance	Protection / screen	OD guide
				integrity		
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 35 mm²	0.6/1 kV	5 core	35 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	36 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 50 mm²	0.6/1 kV	5 core	50 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	39 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 70 mm²	0.6/1 kV	5 core	70 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	42 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 95 mm²	0.6/1 kV	5 core	95 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	45 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 120 mm²	0.6/1 kV	5 core	120 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	48 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 150 mm²	0.6/1 kV	5 core	150 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	51 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 185 mm²	0.6/1 kV	5 core	185 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	55 mm
BS 7846 Mica XLPE LSZH SWA 0.6/1 kV 5 core 240 mm²	0.6/1 kV	5 core	240 mm ²	BS 6387 CWZ / IEC 60331 circuit integrity	SWA armour	59 mm

UE Cable · China — sales@uecable.com · uecable.com Confirm colour, printing, packing length, delivery country and test documents on enquiry.