

## BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) Flame retardant

### Applications

These power and control cables are used for electricity supply in low voltage installation system. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protections are needed and are protected against solvent penetration and corrosive attacks. The lead cover brings an enhanced resistance to aromatic hydrocarbons.

### Description

#### Design

Conductor: Stranded bare copper (class 2)

Insulation: PVC (Polyvinyl chloride)

Bedding (optional)

Inner sheath: PVC (Polyvinyl chloride)

Lead cover (lead sheath): alloy

Bedding: PVC (Polyvinyl chloride)

Armour: Galvanised steel wires (SWA) or aluminium (AWA) for single core cables

Outer sheath: PVC (Polyvinyl chloride), UV resistant. Colour: black.



#### Core identification

1 core: black

2 to 5 cores: according to HD 308 S2 and BS 7671

> 5 cores: printed numbers

> 5G cores: printed numbers + green/yellow core

#### Marking

NEXANS 279 year construction 0.6/1 kV n (G or x) S mm<sup>2</sup>

#### Standards

**International** IEC 60332-1-2

**National** BS 6346; BS 6346;  
BS 6360; BS 6360; BS EN 10244-2 ;  
BS EN 10244-2 ; BS EN 12548 ;  
BS EN 12548 ; BS EN 50363 ;  
BS EN 50363 ; EEMUA Pub. N°133;  
EEMUA Pub. N°133

Other fire performances IEC 60332-3 Cat A or C on request.

Minimum bending radius:

1 core: 10 x outer diameter

Multicores: 8 x outer diameter

To be doubled during laying operations



Conductor flexibility  
Stranded class 2



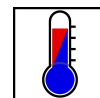
Mechanical resistance to  
impacts  
Good



Flame retardant  
IEC 60332-1-2



Chemical resistance  
Aliphatic and aromatic hydrocarbons  
resistant



Operating temp. range  
-20 .. 60 °C

## BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) Flame retardant

### Characteristics

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Insulation	PVC
Inner sheath	PVC
Lead Sheath	Yes
Armour type	Galvanized steel wires
Outer sheath	PVC
Sheath colour	Black
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/1 kV
Mechanical characteristics	
Mechanical resistance to impacts	Good
Usage characteristics	
Flame retardant	IEC 60332-1-2
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Operating temperature, range	-20 .. 60 °C
Max. conductor temperature in service	70 °C

### Product List

☎=Make to order, 📦=Make to stock

Nexans ref.	Name	Nb. of cores	Cross section (mm <sup>2</sup> )	With Green/Yellow core
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 12 x 1,5	12	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 12 x 2,5	12	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 12 x 4	12	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 19 x 1,5	19	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 19 x 2,5	19	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 19 x 4	19	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 1.5	2	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 10	2	10	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 120	2	120	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 150	2	150	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 16	2	16	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 185	2	185	No

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## BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) Flame retardant

Nexans ref.	Name	Nb. of cores	Cross section (mm <sup>2</sup> )	With Green/Yellow core
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 2,5	2	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 240	2	240	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 25	2	25	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 300	2	300	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 35	2	35	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 4	2	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 50	2	50	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 6	2	6	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 70	2	70	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 2 x 95	2	95	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 27 x 1,5	27	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 27 x 2,5	27	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 27 x 4	27	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 1,5	3	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 10	3	10	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 120	3	120	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 150	3	150	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 16	3	16	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 185	3	185	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 2,5	3	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 240	3	240	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 25	3	25	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 300	3	300	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 35	3	35	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 4	3	4	No

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Nexans ref.	Name	Nb. of cores	Cross section (mm <sup>2</sup> )	With Green/Yellow core
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 50	3	50	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 6	3	6	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 70	3	70	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 3 x 95	3	95	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 37 x 1,5	37	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 37 x 2,5	37	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 37 x 4	37	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 1,5	4	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 10	4	10	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 120	4	120	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 150	4	150	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 16	4	16	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 185	4	185	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 2,5	4	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 240	4	240	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 25	4	25	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 300	4	300	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 35	4	35	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 4	4	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 50	4	50	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 6	4	6	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 70	4	70	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 4 x 95	4	95	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 48 x 1,5	48	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 48 x 2,5	48	2.5	No

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Nexans ref.	Name	Nb. of cores	Cross section (mm <sup>2</sup> )	With Green/Yellow core
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 48 x 4	48	4	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 1,5	5	1.5	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 10	5	10	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 16	5	16	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 2,5	5	2.5	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 25	5	25	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 35	5	35	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 4	5	4	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 50	5	50	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 6	5	6	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 5 G 70	5	70	Yes
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 7 x 1,5	7	1.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 7 x 2,5	7	2.5	No
☎	BS 6346/EEMUA Pub.N°133 Armoured (LC-SWA) 7 x 4	7	4	No

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### Selling delivery information

Cables with reduced neutral on request

**Current rating in Amperes according to NF C 15100 for ambient temperature :**

30 ° C (in open air)

20 ° C (underground)