Application

The BS 6724 1.9/3.3kV Three Core AWA Cable with LSZH sheath is designed for use in power and control circuits. These cables provide excellent protection through the use of heavy galvanized steel wire armour (GSWA), making them suitable for both indoor and outdoor applications, including direct burial in the ground. They are ideal for installations where fire safety, low smoke emission, and minimal toxic fumes are critical to protect life and equipment.

Performance

Electrical Performance: U_0/U: 1.9/3.3kV
Mechanical Performance: Minimum bending radius: 15 x overall diameter
Thermal Performance: Maximum service temperature: 90℃; Maximum short-circuit temperature: 250℃ (Max. 5s)
Fire Performance: Low Smoke Zero Halogen according to IEC/EN 61034 and IEC/EN 60754 standards; Flame retardant according to IEC/EN 60332-1 standard

Construction

Conductor: Solid aluminum or copper conductor, round stranded or shaped, Class 2 to BS 6460
Insulation: XLPE (Cross-linked polyethylene)
Bedding: LSOH (Low Smoke Zero Halogen)
Armouring: SWA (Steel Wire Armour)
Sheath: LSOH (Low Smoke Zero Halogen)
Core Identification: Three cores: brown, black, gray or blue, brown, green/yellow
Sheath Colour: Black

Specification

-BS 6724 Standard

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

BS 6724 1.9/3.3kV Three Core AWA Cable LSZH Sheath Copper Conductor							
Nominal Cross Section Area	Strand Type	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Steel Wire Armor Dia.	Nominal Sheath Thickness	Approx. Overall Dia.	Approx. Weight
mm^2	No./mm	mm	mm	mm	mm	mm	kg/km
3x16	7/1.70	2	1	1.6	1.8	29.3	1600
3x25	7/2.14	2	1	1.6	1.8	32.2	2060
3x35	7/2.52	2	1	1.6	1.9	34.8	2400
3x35*	7/2.52	2	1	1.6	1.9	31.1	2400
3x50*	19/1.78	2	1.2	2	2	34.7	3200
3x70*	19/2.14	2	1.2	2	2.1	38	3800
3x95*	19/2.52	2	1.2	2	2.2	41.4	4730
3x120*	37/2.03	2	1.4	2.5	2.3	45.7	6070
3x150*	37/2.25	2	1.4	2.5	2.4	48.5	7010
3x185*	37/2.52	2	1.4	2.5	2.5	51.9	8270
3x240*	61/2.25	2	1.6	2.5	2.6	56.9	10310
3x300*	61/2.52	2	1.6	2.5	2.7	61.2	12300
3x400*	61/2.85	2	1.6	2.5	2.9	66.6	14500

BS 6724 1.9/3.3kV Three Core AWA Cable LSZH Sheath Aluminium Conductor						
Nominal Cross Section Area	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Steel Wire Armor Dia.	Nominal Sheath Thickness	Approx. Overall Dia.	Approx. Weight
mm^2	mm	mm	mm	mm	mm	kg/km
3x16	2	1	1.6	1.8	27.9	1540
3x25	2	1	1.6	1.8	30.4	1780
3x35	2	1	1.6	1.9	32.7	2040
3x35*	2	1	1.6	1.9	29.7	2040
3x50*	2	1.2	2	2	33	2760
3x70*	2	1.2	2	2.1	36	3210
3x95*	2	1.2	2	2.2	39.1	3625
3x120*	2	1.4	2.5	2.3	43.1	4820
3x150*	2	1.4	2.5	2.4	45.6	5410
3x185*	2	1.4	2.5	2.5	48.7	6070
3x240*	2	1.6	2.5	2.6	53.2	7150
3x300*	2	1.6	2.5	2.7	57.2	8120