

## Armoured Cable CU/XLPE/ SWA/LSZH



### APPLICATION

LSZH cable with steel wire armour (SWA). Power and auxiliary fixed wiring cables for use in power networks, underground, outdoor and indoor applications and for use in cable ducting. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment

### CHARACTERISTICS

#### Voltage Rating $U_o/U$

Fixed installation -20°C to +90°C

#### Temperature Rating

-15°C to +70°C

#### Minimum Bending Radius

1.5mm<sup>2</sup> to 16mm<sup>2</sup> - Fixed: 6 x overall diameter  
25mm<sup>2</sup> and above - Fixed: 8 x overall diameter

### CONSTRUCTION

#### Conductor

Class 2 stranded copper conductor

#### Insulation

XLPE (Cross-Linked Polyethylene)

#### Armour

SWA (Steel Wire Armour)

#### Sheath

LSZH (Low Smoke Zero Halogen)

#### Sheath Colour

● Black

### CABLE THIRD-PARTY ACCREDITATION

Cables are tested and accredited by Kenya Bureau and Standards (KEBS).

### STANDARDS

BS 6724, BS EN/IEC 60228

Flame Retardant according to IEC/EN 60332-1-2



## DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
4	1.5	13.5	365
4	2.5	15	438
4	4	16.4	532
4	6	18.7	764
4	10	21.1	1013
4	16	23.4	1360
4	25	26.1	2160

## CONSTRUCTION

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	MAXIMUM DC RESISTANCE OF CONCENTRIC CONDUCTOR AT 20°C ohms/km
4	4.61	4.8
16	1.15	1.2
25	0.727	0.76

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps		
	In Air	Clipped Direct	Enclosed in Conduit on a Wall
4	42	41	37
16	100	99	88
25	135	130	117

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale

