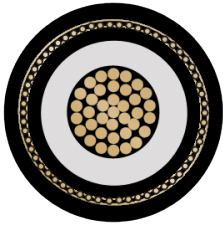


SPEN 11KV LSZH POWER CABLE




APPLICATION

SPEN specification Medium voltage power cables for fixed installations and distribution networks. The cable has dual water blocking layers to provide protection from water ingress. Cables can be fixed on cable trays, within conduits or fixed to walls. Can be buried, but not recommended for sitting in water

CABLE STANDARDS

EN 60228
BS 7870-4.10
BS 7870-3.50
SPEN SPECIFICATION CAB-03-020 ISSUE 12

CONSTRUCTION

Conductor: Solid Aluminium Conductor
Inner Screen: Semi Conductive Compound
Insulation: Cross Linked Polyethylene (XLPE)
Core Screen: Semi Conductive Compound
Outer Screen: Copper Wire Screen & Counter Helix Copper Tape
Barrier: Semiconductive water blocking barrier under and over copper screen
Sheath: Low Smoke Zero Halogen (LSZH)
Sheath Colour:  Orange

CHARACTERISTICS

Voltage Rating: 6.35/11kV
Temperature Limits: -20°C to +90°C
Minimum Bending Radius: As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C

SPEN 11KV LSZH POWER CABLE - CABLE DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	DIAMETER OF CONDUCTOR (MM)	OVERALL DIAMETER (MM)	WEIGHT (KG/KM)	MINIMUM BENDING RADIUS	
					INSTALLATION	FIXED
SPEN11KVLZSH1X3000R	300	19/1.78	38	1900	760	570

SPEN 11KV LSZH POWER CABLE - ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS SECTIONAL AREA	CURRENT CARRYING CAPACITY - 3 CABLES IN TREFOIL				RESISTANCE		REACTANCE OHMS/KM	CAPACITANCE UF/KM	CHARGING CURRENT MA/M	IMPEDANCE OHMS/KM	MAX ADM SHORT CIRCUIT CURRENT FOR CONDUCTOR 1 SECOND
	DIRECTLY BURIED;	150MM TWIN WALL DUCT	100MM SINGLE WALL DUCT	IN FREE AIR	DC CONDUCTOR 20°C; OHMS/KM	AC CONDUCTOR 90°C; OHMS/KM					
	15°C; 1,2K.M/W; 0,6M DEEP	15°C; 1,2K.M/W; 0,6M DEEP	15°C; 1,2K.M/W; 0,6M DEEP	25°C;							
300	486	603	743	783	0.100	0.130	0.100	0.49	0.97	0.119	28.3

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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