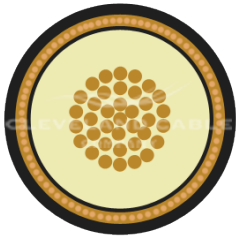


## 33KV SINGLE CORE MDPE SERVICE CABLE



### APPLICATION

Single core high voltage cable Suitable for power networks, underground, outdoors and installation in cable ducting. Conforms to BS 7870-4.10.

### CABLE STANDARDS

BS 7870-4.10

### CONSTRUCTION

- Conductor:** Stranded Copper Conductors
- Insulation:** Cross Link Polyethylene (XLPE)
- Tape:** Semi-Conductive Water Blocking Tape
- Metallic Screen:** Copper Wire Screen
- Separator:** Copper Tape (O.H), Non-Conductive Water Blocking Tape
- Sheath:** Medium Density Polyethylene (MDPE)
- Sheath Colour:** ■ Black

### CHARACTERISTICS

- Voltage Rating:** U<sub>0</sub>/U 19KV / 33KV
- Maximum Voltage:** 36KV
- Test Voltage:** 75KV
- Partial Discharge:** Level with voltage 2U<sub>0</sub> KV max. 5pC

#### Temperature Limits:

- Maximum perm conductor temp** 90°C
- Maximum perm operating temp** 130°C
- Short Circuit temp** 250°C

**Minimum Bending Radius:** As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C

## 33KV SINGLE CORE MDPE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE	STRANDING (MM)	NUMBER OF CORES	CPC SIZE (MM <sup>2</sup> )	WEIGHT (KG/KM)
33KV1X70BK	70	19/2.1	1	1339	36.7
33KV1X95BK	95	19/2.47	1	1467	38.4
33KV1X120BK	120	35/2.04	1	1584	39.8
33KV1X150BK	150	35/2.27	1	1720	41.3
33KV1X185BK	185	35/2.54	1	1881	43
33KV1X240BK	240	35/2.91	1	2130	45.5
33KV1X300BK	300	35/3.25	1	2381	47.8
33KV1X400BK	400	56/2.91	1	2723	50.8
33KV1X500BK	500	56/3.3	1	3146	54.3
33KV1X630BK	630	56/3.75	1	3675	58.9

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

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.