

## 33KV SINGLE CORE MDPE WINDFARM CABLE



### APPLICATION

Single core high voltage cable for Windfarms  
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 Aluminium Conductors

**Insulation:** Cross Linked 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	WEIGHT (KG/KM)	APPROX OVERALL DIAMETER
33KV1X70AL	70	19/2.1	1	1339	36.7
33KV1X95AL	95	19/2.47	1	1467	38.4
33KV1X120AL	120	35/2.04	1	1584	39.8
33KV1X150AL	150	35/2.27	1	1720	41.3
33KV1X185AL	185	35/2.54	1	1881	43
33KV1X240AL	240	35/2.91	1	2130	45.5
33KV1X300AL	300	35/3.25	1	2381	47.8
33KV1X400AL	400	56/2.91	1	2723	50.8
33KV1X500AL	500	56/3.3	1	3146	54.3
33KV1X630AL	630	56/3.75	1	3675	58.9

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



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