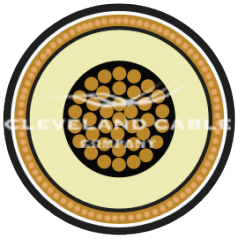


19/33 KV SINGLE CORE MDPE RAIL CABLE



APPLICATION

Single core high voltage cable for distributing three phase AC electrical power to HV systems on electrified rail lines.

*Water blocking elements do not come as standard on this cable and must be requested on application. Water blocking components mentioned for information only.

CABLE STANDARDS

NR/PS/ELP/00008
BS EN/IEC 60502-2
BS EN/IEC 60840
BS EN/IEC 60228
BS7655-1.3

CONSTRUCTION

Conductor: Class 2 Stranded Plain Annealed Circular Compacted Copper Conductors OR Clas 1 round solid aluminium conductor

Inner Semi Conductor: Non Metallic Extruded Inner Semi Conductor (Bonded Type)

Insulation: Cross Linked Polyethylene (XLPE)

Outer Semi Conductor: Extruded Non Metallic Semi Conductor Core (Strippable Type)

Screening: Copper Wires & Open Helix Copper Tape to 50mm

***Separator:** Copper Tape (O.H) plus Non-Conductive Water Blocking Tape

Sheath: Medium Density Polyethylene (MDPE) with graphite coating.

CHARACTERISTICS

Voltage Rating: 19KV/33KV

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 above +60°C or below 0°C

19/33 KV SINGLE CORE MDPE RAIL CABLE - DIMENSIONS

CCC CODE	RAIL CODE	CONDUCTOR SIZE (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	APPROX OVERALL DIAMETER
33KVAL1X185/122514	006/122514	185	1	2180	53.2
33KVAL1X240/122517	006/122517	240	1	2400	47.7
33KVCU1X300/122511	006/122511	300	1	4500	57.9

CLEVELAND CABLE COMPANY

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