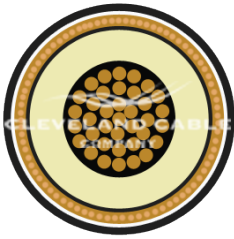


25/44 KV SINGLE CORE MDPE RAIL CABLE



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

IEC 60228

CONSTRUCTION

Conductor: Stranded Copper Conductors

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

Insulation: Cross Linked Polyethylene (XLPE)

Outer Semi Conductor: Extruded Semi Conductor (Strippable Type)

Screening: Copper Wires & Open Helix Copper Tape to 83mm

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

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

CHARACTERISTICS

Voltage Rating: 25KV/44KV

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

25/44 KV SINGLE CORE MDPE RAIL CABLE - DIMENSIONS

CCC CODE	RAIL CODE	CONDUCTOR SIZE (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	APPROX OVERALL DIAMETER
25KVXLPE1X120BK	006/148035	120	1	3300	50
25KVXLPE1X400BK	006/148030	400	1	6400	62
25KVXLPE1X630BK	006/148024	630	1	8900	68
25KVXLPE1X800BK	006/148025	800	1	11220	73.5
**25KVXLPE1X400BK/400	006/120047	400	1	6400	62

** COPPER WIRE METALLIC SCREEN APPLIED OVER THE CORE AND WRAPPED WITH COPPER TAPE (400MM)



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