

19/33(36) kV Railway Power Transmission Cable

Single core graphite coated



Construction

- Round, stranded and compacted conductor - Class 2
- Semi-conducting conductor screen
- Insulation XLPE
- Semi-conducting insulation screen
- Semi-conducting swelling tape(s)
- Metallic screen
- Non-conducting swelling tape(s)
- Outer sheath + Graphite coating

Temperature

- Continuous operation - 90°C
- Short circuit (duration max 5 s) - 250°C

Application

- Laying in ground
- Laying in air
- Laying in ducts

	Conductor Size (mm ²)	Conductor Type	Number of Wires	Conductor Diameter (mm)	Min. Point Radial Thickness	Min. Average/Min. Point Radial Thickness	Dia. over Insulation	Dia. over Metallic Screen	Cross Sectional Area
G-145365	185	Aluminum	1	AOR	0.3	8.0/7.1	32.1	36.1	50
G-118281	300	Copper	37	20.3	0.3	8.0/7.1	37.7	43.2	50

	Conductor Size (mm ²)	Sheath Min. Average/ Min. Point Radial Thickness	Weight kg/km	Conductor Diameter (mm)	Min. Bending Radius
G-145365	185	3.1/2.5	2/070	43.0	15*D _k *10 ⁻³
G-118281	300	3.1/2.5	4/470	50.9	15*D _k *10 ⁻³