Railway Cables

Medium Voltage Single Core and Multi Core Power and Control Cables designed for railway rolling stock, traction & metro applications (EN 50264-3-1 & EN 50264-3-2)

Offering exceptional flame resistance, durability and EMC compatibility, these cables are ideal for fixed installations in locomotives, metros & EMUs.

EN 50264-3-2 Multi Core Cables

Application : Used for power transmission, controlling in various application in Railway Rolling stock (Locomotives, Metros, EMU, MEMU)

The cables can withstand harsh operating conditions, including exposure to oil, ozone and wide temperature fluctuations.

The conductors are rated for continuous operation at temperatures 90° C. (Optional :120° C)

Their flexible, multi-core design enables easy routing in limited spaces, especially where movement or vibration is present.

Advantages : Halogen-free, fire safety by reducing flame spread, smoke and toxic gas emissions.

They are resistant to oils, fuels and ozone, ensuring durability and reliable performance even when exposed to harsh chemicals.

The cables can withstand mechanical stresses like vibration and impact, which are common in railway environments.

Construction:

Multicore Cables

Component	**300 / 500 V** (Unscreened) MM	**300 / 500 V** (Screened) MMS	**0.6 / 1 KV** (Unscreened) MM	**0.6 / 1 KV** (Screened) MMS
Size (sq.mm)	1.0 sq.mm to 2.5 sq.mm	1.0 sq.mm to 2.5 sq.mm	1.5 sq.mm to 50 sq.mm	1.5 sq.mm to 50 sq.mm
Operating temperature	- 40° C to +90° C / +120° C			
Flexible Tinned Coated Annealed Copper Conductor (Class 5)	☑	☑	☑	☑
Separator Tape	(Optional)	(Optional)	(Optional)	(Optional)
Insulation (Type EI 106/107/108/109/110)	☑	☑	☑	☑
Metallic Screening	☒	☑	☒	☑
Separator Tape	(Optional)	(Optional)	(Optional)	(Optional)
Sheath(Type EM 101/102/103/104)	☑	☑	☑	☑
Test Voltage	2 KV for 5 min		3.5 KV for 5 min	

☑ = Included | ☒ = Not Included | (Optional) = May be included as per specification or customer request

Key features & Fire Safety : IEC 60332-1-2 – Flame Retardant

IEC 60754-1/2 – Corrosivity of Combustion of gases

IEC 61034-2 – Low Smoke Emission

EN 45545-2 HL-2/HL-3– Fire behavior of the Cable

Fire retardant | Good Chemical Resistance | Good Resistance to UV, humidity and ozone | High Flexible | Halogen Free | Low Corrosivity of combustion gases | Low toxicity | Operatingtemp | Screened Versions