

Ethernet Cable for Rolling Stock RailNETSTAR™



Outline

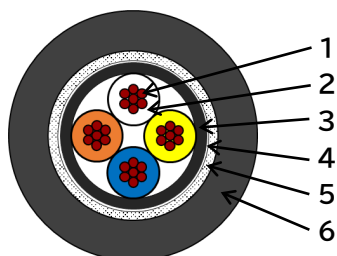
- RailNETSTAR (RailNS™) is a next generation ethernet communication cable used for rolling stock.
- Full line-up from 100Mbps to 10Gbps. Category 7 has become popular for use in Driverless Trains, security cameras, and other monitoring applications in the railway industry.

Applications

Rolling Stock

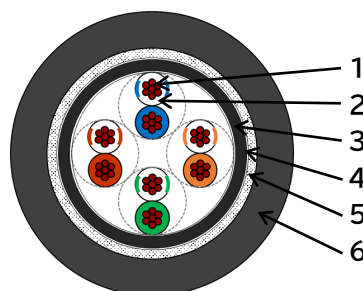
Features

- Cross-linked polyethylene insulated, polyolefin sheathed, flame-retardant halogen free cable.
- Supports IEC61375-3-4 and IEC61156-6
- Compliant with EN45545-2 for flame propagation/smoke/toxicity (HL3)



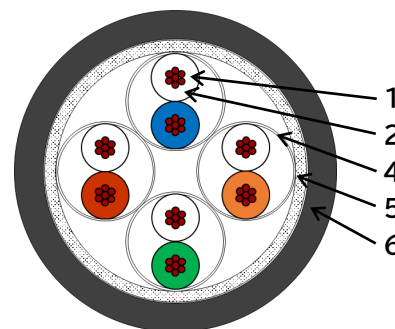
RailNS(NH)-C5E
22AWG×4C

1:Conductor
4:Shield tape



RailNS(NH)-C5E
24AWG×4P

2:Insulation
5:Shield braid



RailNS(NH)-C7
24AWG×4P

3:Separator
6:Sheath

Symbol	Number of insulated core	Conductor size	Data rate	Overall Diameter	Approx. mass
RailNS(NH)-C5E 22AWG×4C	4 cores	22AWG	100Mbps	6.6±0.2mm	65kg/km
RailNS(NH)-C5E 24AWG×4P	8 cores (4 pairs)	24AWG	1Gbps	7.5±0.5mm	80kg/km
RailNS(NH)-C7 24AWG×4P	8 cores (4 pairs)	24AWG	10Gbps	8.5±0.3mm	90kg/km