Standards

• DIN 5510-2

connected via redundant gateways.

Applications

Construction

• Conductors: Stranded tinned copper conductor according to IEC 60228 class 5.

• Insulation: Foam skin-composite PE made of inner cellular layer and outer solid skin.

- Core Wrapping: Plastic tape(s).
- EMC Screen: Tinned copper braid.
- Outer Sheath: Cross-linked oil resistant LSZH compound.

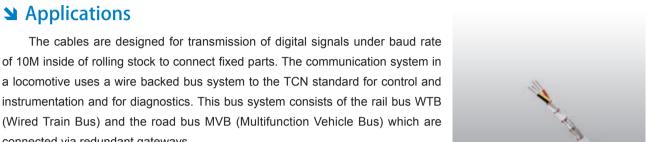
Electrical Characteristics at 20°C

Nominal Cross Section	mm²	0.5
Maximum Conductor Resistance	Ω/km	41
Impedance @0.5-2MHz	Ω	120+/-12
Maximum Attenuation @1MHz	dB/km	12.5
Maximum Attenuation @1.5MHz	dB/km	15
Maximum Attenuation @2MHz	dB/km	18
Maximum Attenuation @3MHz	dB/km	21
Maximum Transfer Impedance	mΩ/m	20
Nominal Voltage Rating	V	300

Mechanical and Thermal Properties

- Minimum Bending Radius: 5×OD (single); 10×OD (multiple)
- Temperature Range: -40°C to +90°C (during operation); -20°C +50°C (during installation)







MVB (Multifunction Vehicle Bus) Cables



Caledonian

Dimensions and Weight

Cable Code	No. of cores& Nominal Conductor Cross Sectional Area No.×mm ²	Nominal Diameter of Strands No/mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RD-MVB-02YSCH-1P0.5S+1G0.5	1×2×0.5+1×0.5	19/0.18	1.2	6.8	62
RD-MVB-02YSCH-2P0.5S	2×2×0.5	19/0.18	1.2	8.3	100





Impact Resistant



Flame Retardant NF C32-070-2.1(C2) IEC 60332-1/EN 50265-2-1



UV Resistant



NF C32-070-2.2(C1) IEC 60332-3/EN50266 IEC 60754-1/NF C20-454 EN 50267-2-1



Zero Halogen Low Smoke Emission IEC 61034/NFC20-902 EN 50268/NF C32-073



Oil Resistant



Low Corrosivity EN 50267-2-2/NF C32-074 IEC 60754-2/NF C20-453



