

# CABLES FOR RAILWAY TECHNOLOGY NEWS



[www.sab-cable.com](http://www.sab-cable.com)



# SABIX® R flex

continuously flexible SABIX® Rail Cable  
with numbered cores

EN 45545-2

WCI BRÖCKSKES · D-VIERSEN · SABIX® R flex 5G0,75 mm² CE



Our technical team developed under the name of SABIX® R flex a cable which both meets the highest fire protection requirements and is also suitable for a continuously flexible application. Two properties, which have not been compatible previously, can now be combined with the special SABIX® Ultra outer jacket.

Exemplary applications are door control systems, bogies, railway construction machines or gangway connections. As a manufacturer of special cables we can produce the cable of course with your desired number of conductors and required cross section.

- + halogen-free
- + continuously flexible
- + good EMC characteristics
- + no flame propagation
- + flame retardant and self-extinguishing
- + good ozone and UV resistance
- + good oil and fuel resistance
- + good acid and alkalines resistance
- + fulfils fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-2

# CATLine R flex

continuously flexible halogen-free  
Industrial Ethernet cable

EN 45545-2

ERSEN · CATLine Cat. 7A R flex 4x2x24AWG 1769-4431 CE



Suitable for flexible and protected installation in the interior for door control or in protecting tubes for outdoor laying at the bogie. Appropriate for light and medium mechanical stress. Certified acc. to EN 45545.

- + halogen-free
- + continuously flexible
- + good EMC characteristics
- + no flame propagation
- + flame retardant and self-extinguishing
- + good oil and fuel resistance
- + good acid and alkalines resistance
- + fulfils fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-2

# SAB RailLine 560

continuously flexible SABIX® Rail Cable  
for outdoor use, cross linked type

EN 45545-2

The SAB RailLine 560 cable is permanently flexible and also has outstanding properties. Using the most modern materials, it has been possible to combine technical properties to enable completely new areas of application with EN 45545 certified products. The SAB RailLine 560 is specially designed for outdoor use with the highest Hazard Level - HL 1 to 3.

The halogen-free cable with highest flame protection and non-toxic characteristics is able to withstand weather conditions in outdoor use and shows at the same time a good oil and fuel resistance. Furthermore, it is resistant against mechanical stress and as a consequence is appropriate for the use in cable chains of construction machines or for door control systems in public transport.

Due to this extraordinary characteristics the cable can also be used in the bogie, as jumper cable or as sensor cable at the wheel set.

- + weather resistant
- + continuously flexible
- + good ozone and UV resistance
- + no flame propagation
- + good oil and fuel resistance
- + fulfils fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-3



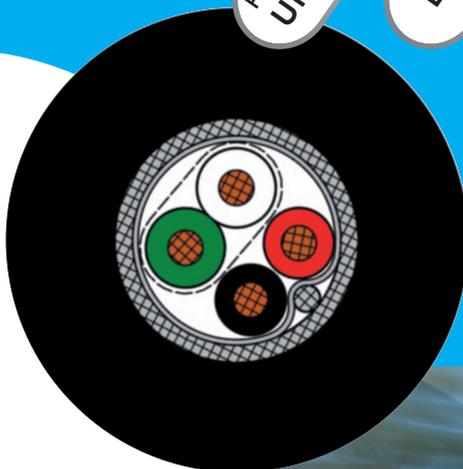
# SABIX® USB 2.0 R flex

halogen-free continuously flexible  
SABIX® USB 2.0 cable

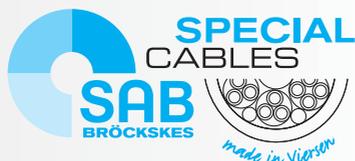
Flame resistance acc. to  
**UN/ECE R118**

**EN 45545-2**

USB 2.0 – our connection solution for flexible applications in rolling stock. Now with for easier handling as charging cable, for display monitors, ticket printers, handheld-units and other operating devices in rail vehicles. Certified acc. to EN 45545.



- + halogen-free
- + continuously flexible
- + no flame propagation
- + flame retardant and self-extinguishing
- + fulfils fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-3



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