

WABCO PremiumFlex

the secure way to connect to trailers



WABCO Wendelflex is and will continue to be the benchmark for coiled compressed air hoses for operating trailers with compressed air braking systems. Many vehicle manufacturers install the polyamide product as standard.

However we are now offering a new generation of highly flexible coils made of polyurethane. A material that is more flexible than polyamide. This enables the driver to couple and uncouple hoses more easily even at low temperatures, meaning that coupling heads are spared.

The new WABCO PremiumFlex compressed air hoses have a longer service life and thus reduce operating costs for the unit.

Grips make it easier to connect the coupling heads. Located between the compressed air hose and the coupling head, they are available as a pair under part number 893 900 033 2.

BENEFITS

- Highly flexible and extremely kink-resistant, even at very low temperatures
- High-strength anti-kink springs for protection against external forces
- Very high elasticity and elastic recovery
- Operating and load-bearing length of 4m, with a hose length of 12×2 (nominal diameter 8)
- Very high abrasion resistance
- Resistant to UV and aggressive media such as oil, fuel, acid, alkali and ozone
- Highly corrosion-resistant couplings and anti-kink springs
- Adapter supplied enabling use with M 18×1.5 internal thread and M 16×1.5 external thread on both sides
- Compliant to DIN 74323 and 74324 in the meaning of vehicle's operating pressures

Part no.	Type	Hose colour	Kink protection
452 713 001 0	Single coil	Red	Steel spring
452 713 002 0	Single coil	Yellow	Steel spring
452 713 003 0	Single coil	Black	Red plastic
452 713 004 0	Single coil	Black	Yellow plastic
452 713 005 0	Double coil	Red/yellow	Steel spring
452 713 006 0	Double coil	Black/black	Red/yellow plastic

WABCO coiled cable

for the spare parts market

Major progress in terms of trailer brake control has been achieved through the electronic transmission of the driver braking request. Because this request is put to immediate effect in the Trailer EBS, valuable split seconds are saved in the event of an emergency, reducing the braking distance.

This means that the old ABS coil is no longer just a power supply but also the only transmitter of the important CAN Bus braking information. The additional safety-related function accordingly makes high demands on function and quality of the cable.

All variants of WABCO coiled cables had to prove in extensive test runs their long-term compliance with all the safety requirements according to ISO 7638 and ISO 4141.

With EBS Trailer coiled cables WABCO offers products you can rely on to bring your vehicle home safe and sound!



Coiled cable "Standard"
446 008 700 0

Variant	Classic	Economy	Standard
Max. working length	3 m		
Conductor cross-sections	2 × 4 mm ² , 5 × 1.5 mm ²		
Protection	IP54		
Therm. range of application	-40°C ... +80 °C		
Voltage (coding)	24 V		
Cable diameter	Ø 13.3	Ø 13.3	Ø 12.2
Coil diameter	Ø 110 +/-5	Ø 55 +/-5	Ø 53 +/-5
Overall number of coils	16 (+/-2)	35 (+/-2)	30 (+/- 2)
Contacts	Turned part	Turned part	Stamped part
Permissible extension length	4.5 m	4.5 m	4.0 m
Wear resistance	excellent	excellent	good
Specified reversed bending	50,000	50,000	20,000
Price segment	Premium	Medium	Competitive
Part number	446 008 243 0	446 008 244 0	446 008 700 0

Distributor stamp