

681DB

No-Skive 2TE Hose
with Fire-Retardant Cover
for European Rail Transportation



Customer Value Proposition:

The fire-retardant special rubber cover of the 681DB hose contributes to increased safety in rail transportation as it minimises the release of harmful substances in the case of fire. Due to its high flexibility and small bend radii the hose is perfectly suitable for compact installation. It has proven a reliable hose in this market segment for many years and is mainly used in pneumatic low-pressure systems and water cooling circuits.



Product Features:

- *No-Skive* hose
- Fire retardant special rubber hose cover
- Small bend radii
- Suitable for use with *No-Skive* two-piece fittings
- *No-Skive* design eliminates the need to remove the cover before crimping

Certifications

- German Standard DIN 5510-2 (05/2009)
- French Standard NF F 16-101
- British Standard BS 6853



ENGINEERING YOUR SUCCESS.

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Part Number	Hose I.D.				Hose O.D.		Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm	mm	max. working pressure		min. burst pressure				
						MPa	psi	MPa	psi			
681DB-4	6	1/4	-4	6.3	13.1	7.5	1090	30.0	4360	40	0.15	
681DB-5	8	5/16	-5	7.9	14.6	6.8	980	27.0	3920	50	0.16	
681DB-6	10	3/8	-6	9.5	16.2	6.3	910	25.0	3640	60	0.19	
681DB-8	12	1/2	-8	12.7	19.9	5.8	840	23.0	3360	70	0.24	
681DB-10	16	5/8	-10	15.9	23.4	5.0	725	20.0	2900	90	0.35	
681DB-12	20	3/4	-12	19.1	26.5	4.5	650	18.0	2600	110	0.39	
681DB-16	25	1	-16	25.4	33.4	4.0	580	16.0	2320	150	0.59	

The combination of high temperature and high pressure could reduce the hose life.

Primary Applications/ Restrictions

Low-pressure hydraulic and pneumatic systems as well as water and oil cooling circuits

Applicable Specifications

EN 854-2TE

Hose Construction

Tube: Synthetic rubber

Reinforcement:

Two braided layers of textile-fibre

Cover: Fire retardant

synthetic rubber

Recommended Fluids

Hydraulic fluids based on petroleum or water-glycol and water-oil emulsions, lubricant oils, crude oils and fuels, air and water.

For further information please refer to the chemical compatibility section on pages Ab-22 to Ab-30 in catalogue 4400.

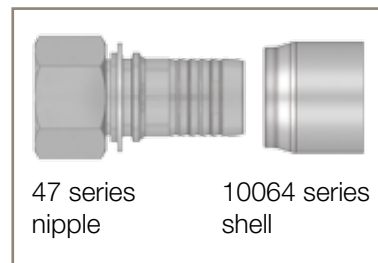
Temperature Range

-40 °C up to +100 °C

exception air max. +70 °C
exception water max. +85 °C

Fittings Series

Compatible with 2-piece fittings for use with adjustable crimpers only.



47 series nipple

10064 series shell

Nipple size	Shell Part no.	Crimping diameter		Insertion depth
		min. mm	max. mm	
-4	10064-4	15,40	15,60	24,0
-5	10064-5	17,10	17,30	24,0
-6	10064-6	18,40	18,60	23,5
-8	10064-8	22,40	22,60	23,5
-10	10064-10	25,70	25,90	25,5
-12	10064-12	29,40	29,60	25,0
-16	10064-16	36,50	36,70	32,0



Parkrimp series fittings and crimpers

The 681DB hose can be assembled with two-piece fittings on freely adjustable hose crimpers. Thanks to the No-Skive principle, the protective cover does not need to be removed before crimping and this ensures user-friendly, clean and fast assembly. Parker offers a comprehensive range of fittings with all customary end configurations together with a suitable hose crimper and assembly instructions. This combination guarantees safe processing and a long service life of your hose assemblies.