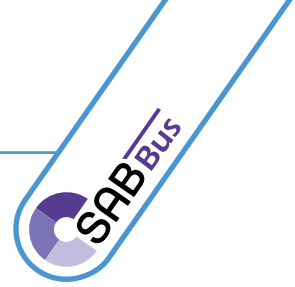


# Industrial Ethernet cables CAT 5

## DR PN 689 P Highflex

reeling PUR Profinet cable / CAT 5 cable



S · D-VIERSEN · DR PN 689 P Highflex 2x2x22AWG CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · DR PN 689 P Highflex 2x2x22AWG CE

Construction:	DR PN 689 P Highflex reeling Profinet cable	DR PN 689 P Highflex reeling CAT 5 cable
Dimension:	2 x 2 x 22 AWG	4 x 2 x 26 AWG
Conductor:	tinned copper strands, fine wires	
Insulation:	SABIX®	
Colour code:	blue, yellow, white, orange	blue, orange, green, brown + 4 white cores with consecutive numbers twisted to pairs and pairs together
Stranding:	in layers	
Wrapping:	PETP-foil	
Inner sheath:	SABIX®	
Screen:	alu foil and tinned copper braiding	
Wrapping:	non-woven tape	
Sheath material:	PUR / supporting braid / PUR	
Sheath colour:	green (similar RAL 6018)	black (similar RAL 9005)

Technical data:	DR PN 689 P Highflex reeling Profinet cable	DR PN 689 P Highflex reeling CAT 5 cable
Item number:	0689-2202	0689-9001
Peak operating voltage:	max. 350 V	
Testing voltage	1500 V	
core/core:	1200 V	
core/screen:		
Min. bending radius:	for laying and installation (fixed laying):	5 x d
	for repeated winding action (flexible application):	10 x d
	guided on pulleys (flexible application):	12 x d
Temperature range		
fixed laying:	-40/+90 °C	
flexible application:	-30/+90 °C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Oil resistance:	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Characteristic impedance:	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 + VDE 0819-2-2 (CAT 5 acc. to EN 50173-1)	
Application:	suitable for EtherCAT and EtherNET/IP applications	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

item no.	type	dimension	outer- $\phi$ $\pm 10\%$ mm	copper figure kg/km	cable weight $\approx$ kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. $\Omega$ /km	tensile strength max. N	characteristic impedance
06892202	DR PN 689 P Highflex	2 x 2 x 22 AWG	8,2	36,2	83	58,8	200	100 $\Omega$
06899001	DR PN 689 P Highflex	4 x 2 x 26 AWG	8,7	34,3	85	139	200	100 $\Omega$

Other dimensions and colours are possible on request.



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