

# Industrial Ethernet Cables CAT 5



**DR PN 689 P Highflex** reeling Profinet cable / CAT 5 cable

**DR CB 689 P Highflex** reeling CAN-Bus cable

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



Marking for DR PN 689 P Highflex 06892202:

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

<b>Construction:</b>	DR PN 689 P Highflex reeling Profinet cable	DR PN 689 P Highflex reeling CAT 5 cable	DR CB 689 P Highflex reeling CAN-Bus cable
<b>Dimension:</b>	2 x 2 x 22 AWG	4 x 2 x 26 AWG	2 x 2 x 0,50 mm <sup>2</sup>
<b>Conductor:</b>	tinned copper strands, fine wires		bare copper strands
<b>Insulation:</b>	SABIX®		PE
<b>Colour code:</b>	blue, yellow, white, orange	blue, orange, green, brown + 4 white cores with consecutive numbers	acc. to DIN 47100
<b>Stranding:</b>	in layers	twisted to pairs and pairs together	
<b>Wrapping:</b>	PETP foil		non-woven tape
<b>Inner sheath:</b>	SABIX®		---
<b>Screen:</b>	alu foil and tinned copper braiding		tinned copper braiding
<b>Wrapping:</b>	non-woven tape		---
<b>Sheath material:</b>	PUR / supporting braid / PUR		
<b>Sheath colour:</b>	green (similar RAL 6018)	black (similar RAL 9005)	

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<b>Technical data:</b>	DR PN 689 P Highflex reeling Profinet cable	DR PN 689 P Highflex reeling CAT 5 cable	DR CB 689 P Highflex reeling CAN-Bus cable
<b>Item number:</b>	0689-2202	0689-9001	0689-9005
<b>Peak operating voltage VDE:</b>	max. 350 V		
<b>Testing voltage</b> core/core: core/screen:	1500 V 1200 V		
<b>Min. bending radius</b>	for laying and installation (fixed laying): for repeated winding action (flexible application): guided on pulleys (flexible application):	5 x d 10 x d 12 x d	for laying and installation (fixed laying): for repeated winding action (flexible application): guided on pulleys (flexible application):
<b>Temperature range VDE</b> fixed laying: flexible application:	-40/+90 °C -30/+90 °C		-40/+70 °C -40/+70 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1		
<b>Oil resistance:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2		
<b>Characteristic impedance:</b>	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)		120Ω (95 - 140Ω)
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item no.	type	dimension	outer-ø approx. mm	copper figure kg/km	cable weight ≈kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/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	100Ω
06899001	DR PN 689 P Highflex	4 x 2 x 26 AWG	8,7	34,3	85	139	200	100Ω
06899005	DR CB 689 P Highflex	2 x 2 x 0,50 mm <sup>2</sup>	12,8	48,8	175	39,0	200	120Ω

Other dimensions and colours are possible on request.

Also possible as harnessed cable with M12 or RJ 45 plug!



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