

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



Marking for DR PN 689 P Highflex:
SAB BRÖCKSKES · D-VIERSEN · DR PN 689 P Highflex 2x2x22AWG CE

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

Technical data:	DR PN 689 P Highflex <i>reeling Profinet cable</i>	DR PN 689 P Highflex <i>reeling CAT 5 cable</i>	DR CB 689 P Highflex <i>reeling CAN-Bus cable</i>
Item number:	0689-2202	0689-9001	0689-9005
Peak operating voltage VDE:	max. 350 V		
Testing voltage:	core/core 1500 V - core/screen 1200 V		
Temperature range VDE fixed laying: flexible application:	- 40°C / + 90°C - 30°C / + 90°C		- 40°C / + 70°C - 40°C / + 70°C
Min. bending radius	for laying and installation (fixed laying): for repeated winding action (flexible): guided on deflection pulleys (flexible):	5 x d 10 x d 12 x d	for laying and installation (fixed laying): for repeated winding action (flexible): guided on deflection pulleys (flexible):
Characteristic impedance:	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 (CAT 5 acc. to EN 50173-1)		120Ω (95 - 140Ω) at 1 MHz
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1		
Oil resistance:	TMPU acc. to EN 50363-10-2		
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page N/17		

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	7,8	36,2	78	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 ²	13,0	48,8	175	39,0	200	120Ω

Other dimensions and colours are possible on request.