Industrial Ethernet cables CAT 5

RT PN 668 PUR Profinet cable, suitable for robots

PN 668 PUR Profinet cable type R, suitable for robots with UL recognition

2x2x22AWG 0668-9039 AWM Style 21198 80° 300V



marking example:
SAB BRÖCKSKES · D-VIERSEN · PN 668 type R 2x2x22AWG 0668-9039 AWM Style 21198 80° 300V

Construction:	RT PN 668 Profinet suitable for robots	PN 668 Profinet type R suitable for robots
Dimension:	2 x 2 x 22 AWG	
Conductor:	tinned copper strands, fine wires	
Insulation:	special polymer	
Colour code:	blue, yellow, white, orange	
Stranding:	star quad	twisted to pairs and pairs together
Wrapping:	tape	non-woven tape
Screen:	alu foil and tinned copper braiding	tinned copper braiding
Wrapping:	non-woven tape	special-non-woven tape
Sheath material:	PUR	
Sheath colour:	green (similar RAL 6018)	

Technical data:	RT PN 668 Profinet suitable for robots	PN 668 Profinet type R suitable for robots
Item number:	0668-9001	0668-9039
Peak operating voltage:	max. 350 V	max. 30 V
Voltage UL:	–	300 V
Testing voltage *core/core:* *core/screen:*	 1500 V 1200 V	 2000 V 2000 V
Min. bending radius *fixed laying:* *flexible application:*	 10 x d	 3 x d 10 x d
Temperature range *fixed laying:* *flexible application:*	 -40/+70 °C -30/+70 °C	UL: up to +80 °C -40/+70 °C -30/+70 °C
Torsion angle:	up to ±360°/m	
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)	
UL Style:	–	21198
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-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
06689001	RT PN 668	2 x 2 x 22 AWG	7,0	36,3	62	58,8
06689039	PN 668	2 x 2 x 22 AWG	7,8	36,7	68	58,8

Other dimensions and colours are possible on request.



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