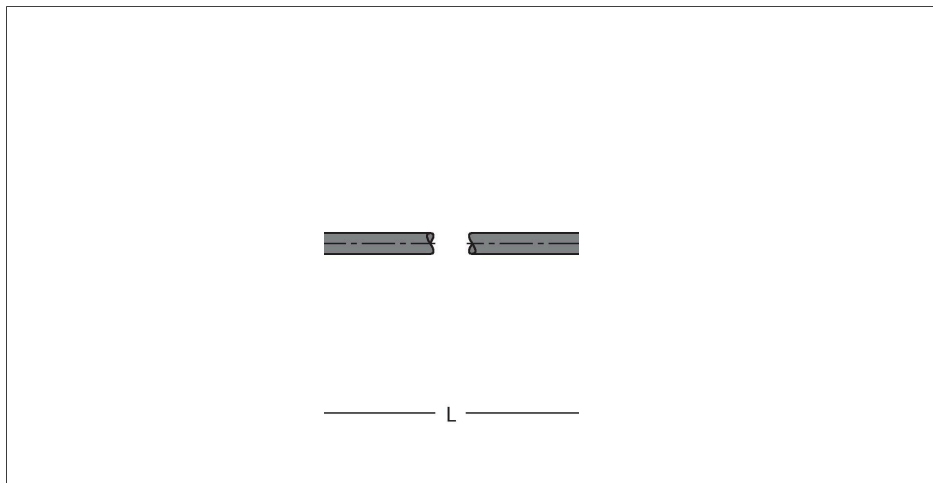


# RKSW 455-50M-OBS

## PROFIBUS Cable – PVC Cable Jacket

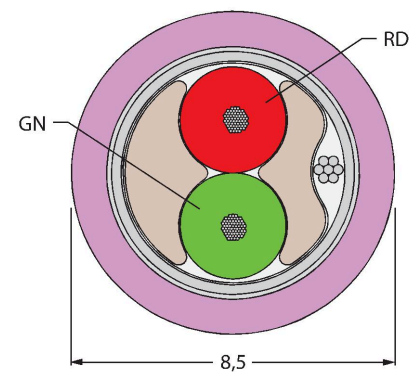


### Features

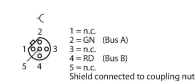


- PROFIBUS cable: AWG 22/1
- Jacket material: PVC, color: purple
- Jacket diameter: 8.5 mm
- UL approval
- End open
- Cable length: 50 m

### Cable Cross-Section



### Contact assignment



### Technical data

Type	RKSW 455-50M-OBS
ID	U0358-050
Connector A	Female, M12 × 1, Straight, B-coded
Number of Pins	5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
<b>Cable</b>	
Network protocol	PROFIBUS-DP, 455
Cable diameter	Ø 8.5 mm ±0.15
Cable length	50 m
Cable jacket	PVC, Violet
Shielding	Aluminum foil, tinned copper wire
Core insulation	PE
Core cross-section	2 x 0.34 mm <sup>2</sup>
Arrangement of strands	19 x 0.15 mm
Core colors	GN, RD
<b>Electrical properties at +20 °C</b>	
Current	4 A

## Technical data

DC resistance (loop)	50 $\Omega$ /km
Nom. impedance	150 $\Omega$ (1 MHz)
Nom. capacitance	29.53 pF/m
<b>Mechanical and chemical properties</b>	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 15 \times \varnothing$
Ambient temperature range (stationary)	-40...+80 °C
Ambient temperature range (In motion)	-40...+80 °C
<b>Other Features</b>	
Qualified for drag chain use	no
Halogen-free	no
UV resistance	yes
Oil-resistant	no
Flame-retardant	yes
Approvals	UL CSA