



- 4-core, AWG 24/AWG 22
- Jacket material: PUR, color: yellow
- Halogen- and LABS-free
- Shield: Aluminum foil, tinned copper braid
- Jacket diameter: 6.4 mm
- Suitable for drag chain use, oil-resistant, highly flexible
- Cable UL Style 20963
- Cable length: 50 m



<b>Type designation</b>	RK4.5T-50-RS4.5T/S2500
Ident no.	8035246
<b>Connector A</b>	
Number of Pins	Female, M12 × 1, Straight, A-coded 5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn-Ni, Nickel-plated
Seal	Plastic, FPM/FKM
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Tightening torque (range)	0.6 ... 1 Nm (observe max. torque of mating connector!)
<b>Connector B</b>	
Number of pins	Male, M12 × 1, Straight, A-coded 5 pins
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn-Ni, Nickel-plated
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only when screwed together
Tightening torque	0.6 ... 1 Nm (observe max. torque of mating connector!)
<b>Cable</b>	
Cable diameter	6.4
Cable length	50 m m
Cable jacket	PUR, Yellow
Shielding	yes
Core colors	Power: BN, BU Data: WH, BK
Data cable cores	
Core cross-section	2 x 0.2 mm <sup>2</sup>
Core cross-section	2x 0.34 mm <sup>2</sup>

<b>Electrical properties at +20 °C</b>	
Rated voltage	30VV
DC resistance (loop)	103 Ω/km
Nom. impedance	135 Ω
Nom. capacitance	50 pF/m

<b>Mechanical and chemical properties</b>	
Bending radius (flexible use)	≥ 8 x Ø
Bending cycles	≥ 1 million
Ambient temperature range (stationary)	-40...+90°C
Ambient temperature range (In motion)	-25...+90°C

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**Other Features**

Qualified for drag chain use	yes
Halogen-free	yes
Approvals	Cable UL Style 20963