



20	CABLE SPECIFICATION	
Cable Length	mm	500
Cable Diameter	mm	6.0
Cable Material		PUR
Cable Color		Black
Conductor Insulation		PVC
Conductor / Cross - Section		2x2xAWG24
UL Type		cat5e
Shielded		Yes
Bending Radius (flexible)		Min. 15 x $\varnothing$
Bending Radius (stationary)		Min. 12 x $\varnothing$

GENERAL SPECIFICATION		
Rated Current	A	3
Rated Voltage	V AC/DC	30
Insulation Resistance	M Ω	≥ 100
Ambient Temperature	$^{\circ}\text{C}$	-20...+80
Storage Temperature	$^{\circ}\text{C}$	-40...+80

10	CONNECTOR A		30	CONNECTOR B	
		M8x1 / 4-Pole / A-Coding / male / straight			M8x1 / 4-Pole / A-Coding / male / straight
Contact Resistance		m Ω ≤ 5	Contact Resistance		m Ω ≤ 5
Contact Material		Brass, Gold-Plated	Contact Material		Brass, Gold-Plated
Contact Carrier Material		PA	Contact Carrier Material		PA
Connector Body Material		TPU	Connector Body Material		TPU
Coupling (Nut / Screw)		Brass, Nickel-Plated	Coupling (Nut / Screw)		Brass, Nickel-Plated
O-Ring Material		FKM	O-Ring Material		FKM
Protection Class		IP67 (locked Condition)	Protection Class		IP67 (locked Condition)
		Pin No.			Color
twisted		1			WH/BU
		3			BU
		2			WH/OG
		4			OG
		Coupling			Braid

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715					Weight: ±10% 0.040 kg	
					Date	Name		ZK-M8M1-M8M1-4-500-C				
				Drawn	22.05.2025	Schneid_A						
				Reviewed	17.02.2026	Reith_S						
				Released	17.02.2026	Reith_S						
				 Nanotec [®] PLUG & DRIVE		20003018						
REV	Rev. Text	Name	Date			State: Released			Rev: 00	CONFIDENTIAL		

