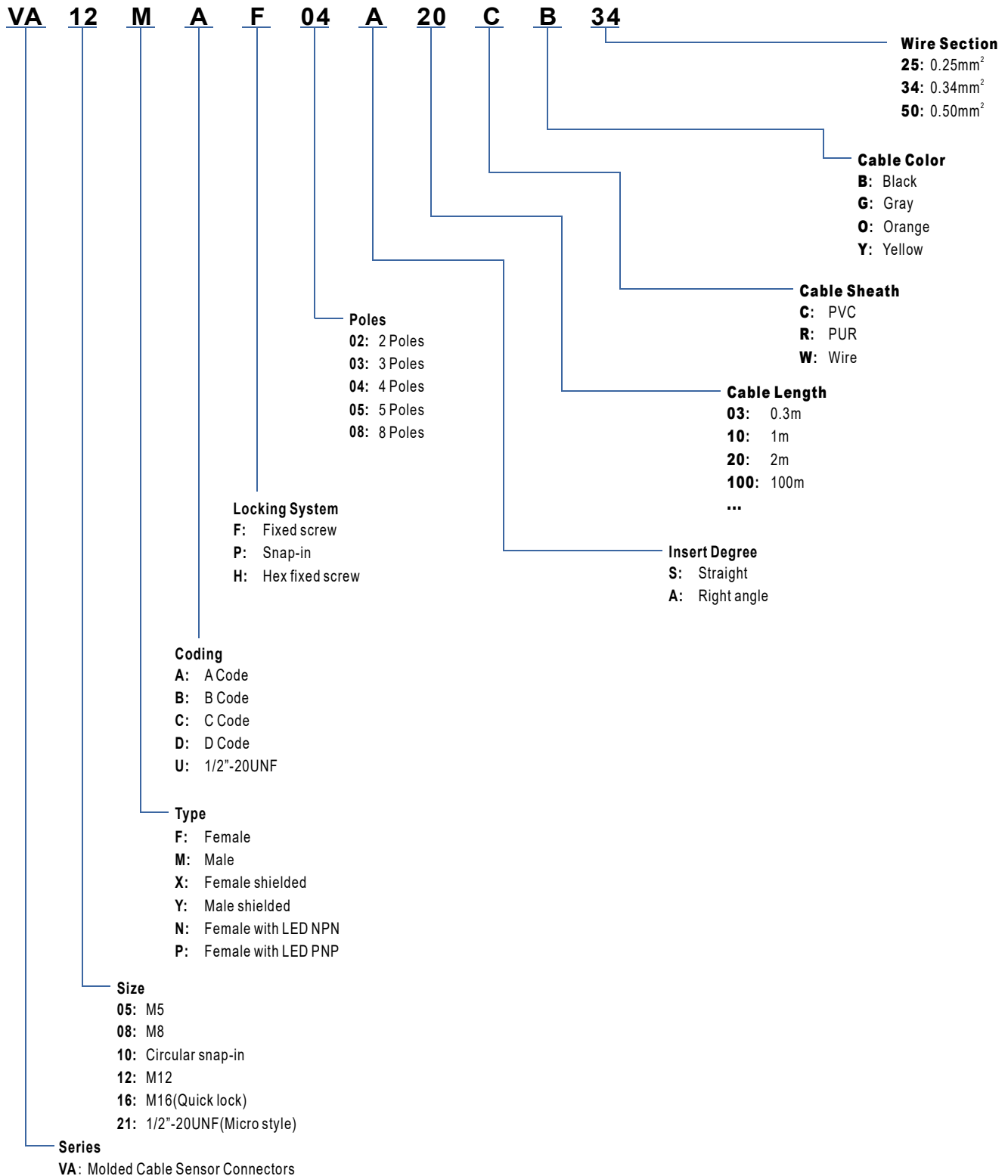


SELECTION GUIDE FOR MOLDED CABLE SENSOR CONNECTORS

VA Series Molded Cable Sensor Connectors

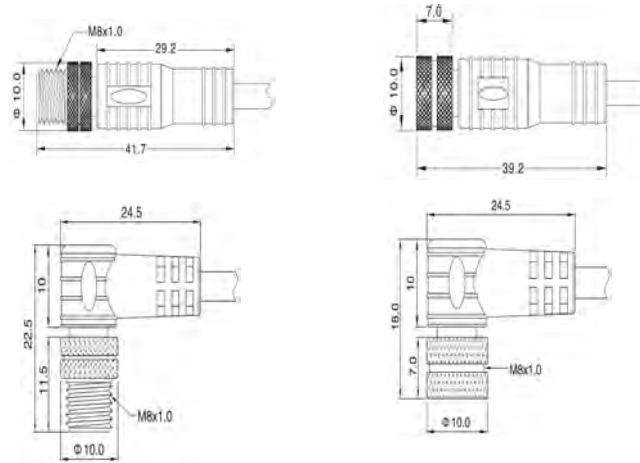


NOTE: Not all model combinations are possible. If you need assistance, please contact our technical department.



Features

- M8 Molded Cable
- Fix Screw Locking
- Male, Female
- Straight, Right Angle
- Shielded, Non-Shielded
- IP67 Protection, IP68 Protection
- A-Coded



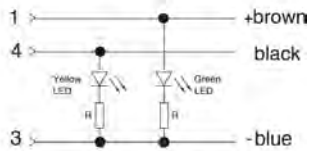
(Unit: mm)

Connector Series		M8				
Locking Type		Fix Screw				
Gender		Male				
Poles		3	4	5	6	8
Face View						
Straight	Non-Shielded	VA08MAF03S20CB25	VA08MAF04S20CB25	VA08MAF05S20CB25	VA08MAF06S20CB14	VA08MAF08S20CB14
	Shielded	VA08YAF03S20CB25	VA08YAF04S20CB25	VA08YAF05S20CB25	VA08YAF06S20CB14	VA08YAF08S20CB14
Right Angle	Non-Shielded	VA08MAF03A20CB25	VA08MAF04A20CB25	VA08MAF05A20CB25	VA08MAF06A20CB14	VA08MAF08A20CB14
	Shielded	VA08YAF03A20CB25	VA08YAF04A20CB25	VA08YAF05A20CB25	VA08YAF06A20CB14	VA08YAF08A20CB14
Gender		Female				
Poles		3	4	5	6	8
Face View						
Straight	Non-Shielded	VA08FAF03S20CB25	VA08FAF04S20CB25	VA08FAF05S20CB25	VA08FAF06S20CB14	VA08FAF08S20CB14
	Shielded	VA08XAF03S20CB25	VA08XAF04S20CB25	VA08XAF05S20CB25	VA08XAF06S20CB14	VA08XAF08S20CB14
Right Angle	Non-Shielded	VA08FAF03A20CB25	VA08FAF04A20CB25	VA08FAF05A20CB25	VA08FAF06A20CB14	VA08FAF08A20CB14
	Shielded	VA08XAF03A20CB25	VA08XAF04A20CB25	VA08XAF05A20CB25	VA08XAF06A20CB14	VA08XAF08A20CB14
Shielded		Shielded, Non-Shielded				
Coding		A-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MQ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optional				
Wire Gage		24AWG				
Wire Size		0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				

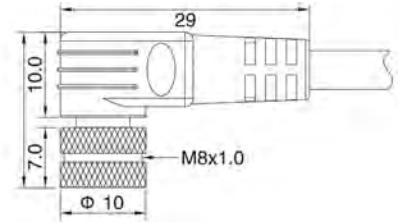
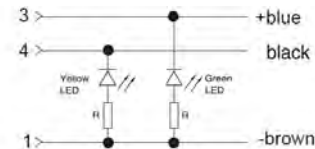
Features

- M8 Molded Cable
- With LED
- Fix Screw Locking
- Female
- Right Angle
- Non-Shielded
- IP67 Protection, IP68 Protection
- A-Coded

PNP-NO



NPN-NO



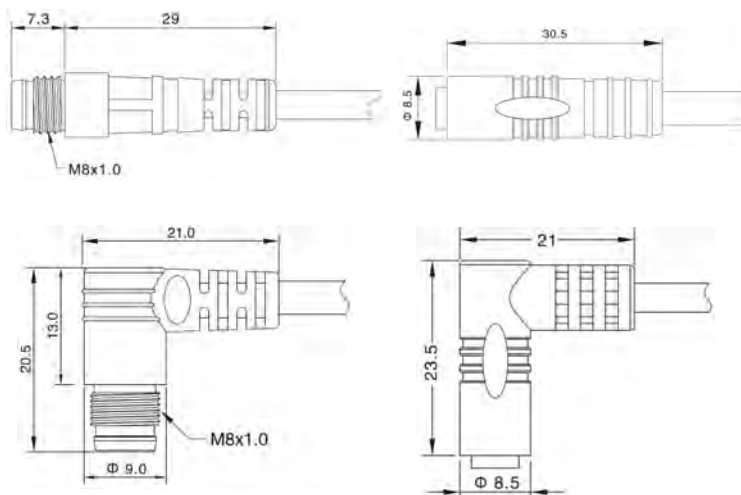
(Unit: mm)

Connector Series		M8				
Locking Type		Fix Screw				
Gender		Male				
Poles		3	4	5	6	8
Face View						
Straight	PNP-NO					
	NPN-NO					
Right Angle	PNP-NO					
	NPN-NO					
Gender		Female				
Poles		3	4	5	6	8
Face View						
Straight	PNP-NO					
	NPN-NO					
Right Angle	PNP-NO	VA08PAF03A20CB25				
	NPN-NO	VA08NAF03A20CB25				
Shielded		Non-Shielded				
Coding		A-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MQ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optical				
Wire Gage		24AWG				
Wire Size		0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				



Features

- M8 Molded Cable
- Snap-In Locking
- Male, Female
- Straight, Right Angle
- Non-Shielded
- IP67 Protection, IP68 Protection
- A-Coded



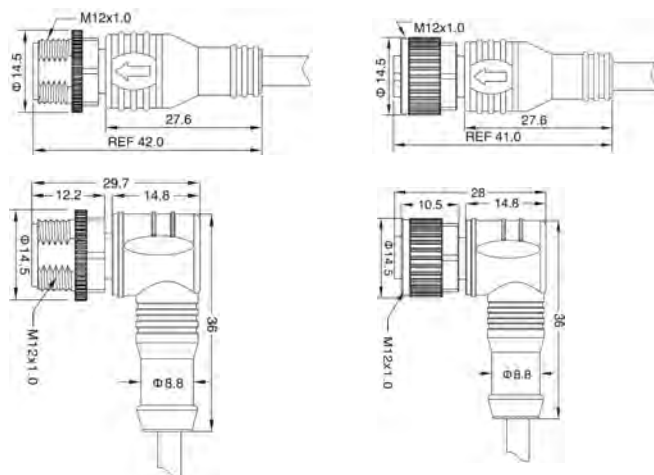
(Unit: mm)

Connector Series		M8				
Locking Type		Snap In				
Gender		Male				
Poles		3	4	5	6	8
Face View						
Straight	Non-Shielded	VA08MAP03S20CB25	VA08MAP04S20CB25			
	Shielded					
Right Angle	Non-Shielded	VA08MAP03A20CB25	VA08MAP04A20CB25			
	Shielded					
Gender		Female				
Poles		3	4	5	6	8
Face View						
Straight	Non-Shielded	VA08FAP03S20CB25	VA08FAP04S20CB25			
	Shielded					
Right Angle	Non-Shielded	VA08FAP03A20CB25	VA08FAP04A20CB25			
	Shielded					
Shielded	Non-Shielded					
Coding	A-Coded					
Assembly Style	Molded Cable					
Connector Insert	PA+GF					
Mold Material	PVC					
Connector Contacts	Brass with gold plated					
Connector Overmold	TPU					
Sealing	Viton					
Waterproof Rating	IP65					
Protection Degree	1m water 30 minutes					
Standard	IEC 61076-2-104					
Rated Voltage	60VAC / 70VDC					
Insulation Resistance	>500MQ,500VDC					
Rated Current	4A					
Contact Resistance	<5mΩ					
Ambient Temperature	-45°C~+105°C					
Cable Jacket	PVC/PUR					
Cable Length	2m Standard, other cable length are optical					
Wire Gage	24AWG					
Wire Size	0.25mm ² , 0.14mm ²					
Test Voltage	>1KV eff./60s					
Breakdown Voltage	Normal temperature, >2.5KV; Water, 1KV					
Durability	3K plug/unplug cycles					
Remarks	Contact us if special specifications.					



Features

- M12 Molded Cable
- Fix Screw Locking
- Male, Female
- Straight, Right Angle
- Shielded, Non-Shielded
- IP67 Protection, IP68 Protection
- A-Coded



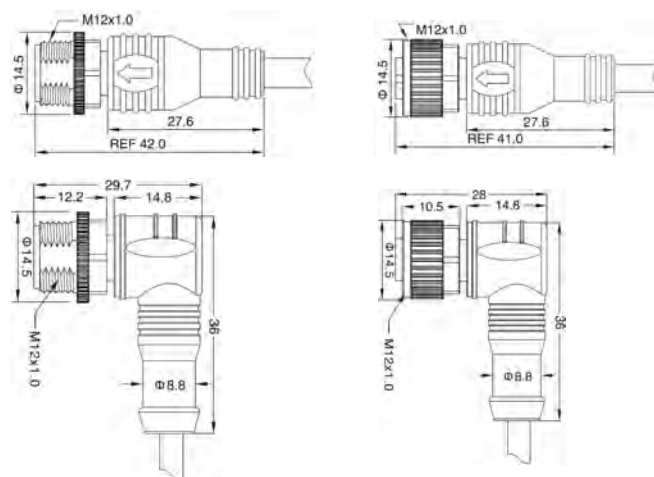
(Unit: mm)

Connector Series		M12				
Locking Type		Fix Screw				
Gender		Male				
Poles		3	4	5	8	12
Face View						
Straight	Non-Shielded	VA12MAF03S20CB34	VA12MAF04S20CB34	VA12MAF05S20CB34	VA12MAF08S20CB25	VA12MAF12S20CB14
	Shielded	VA12YAF03S20CB34	VA12YAF04S20CB34	VA12YAF05S20CB34	VA12YAF08S20CB25	VA12YAF12S20CB14
Right Angle	Non-Shielded	VA12MAF03A20CB34	VA12MAF04A20CB34	VA12MAF05A20CB34	VA12MAF08A20CB25	VA12MAF12A20CB14
	Shielded	VA12YAF03A20CB34	VA12YAF04A20CB34	VA12YAF05A20CB34	VA12YAF08A20CB25	VA12YAF12A20CB14
Gender		Female				
Poles		3	4	5	8	12
Face View						
Straight	Non-Shielded	VA12FAF03S20CB34	VA12FAF04S20CB34	VA12FAF05S20CB34	VA12FAF08S20CB25	VA12FAF12S20CB14
	Shielded	VA12XAF03S20CB34	VA12XAF04S20CB34	VA12XAF05S20CB34	VA12XAF08S20CB25	VA12XAF12S20CB14
Right Angle	Non-Shielded	VA12FAF03A20CB34	VA12FAF04A20CB34	VA12FAF05A20CB34	VA12FAF08A20CB25	VA12FAF12A20CB14
	Shielded	VA12XAF03A20CB34	VA12XAF04A20CB34	VA12XAF05A20CB34	VA12XAF08A20CB25	VA12XAF12A20CB14
Shielded		Shielded, Non-Shielded				
Coding		A-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MQ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optional				
Wire Gage		24AWG				
Wire Size		0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				



Features

- M12 Molded Cable
- Fix Screw Locking
- Male, Female
- Straight, Right Angle
- Shielded, Non-Shielded
- IP67 Protection, IP68 Protection
- B-Coded

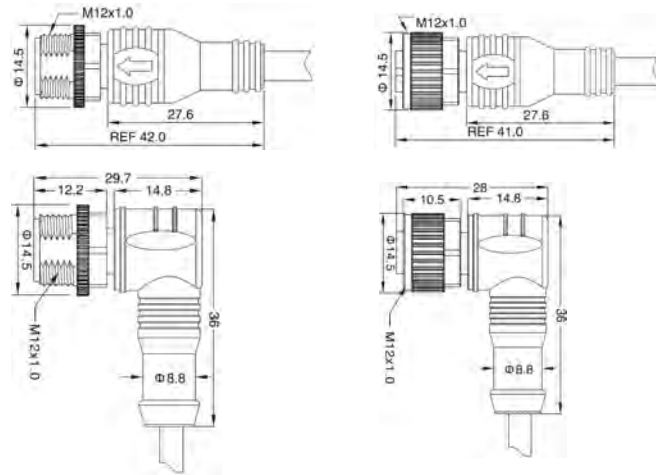


(Unit: mm)

Connector Series		M12				
Locking Type		Fix Screw				
Gender		Male				
Poles		3	4	5		
Face View						
Straight	Non-Shielded	VA12MBF03S20CB34	VA12MBF04S20CB34	VA12MBF05S20CB34		
	Shielded	VA12YBF03S20CB34	VA12YBF04S20CB34	VA12YBF05S20CB34		
Right Angle	Non-Shielded	VA12MBF03A20CB34	VA12MBF04A20CB34	VA12MBF05A20CB34		
	Shielded	VA12YBF03A20CB34	VA12YBF04A20CB34	VA12YBF05A20CB34		
Gender		Female				
Poles		3	4	5		
Face View						
Straight	Non-Shielded	VA12FBF03S20CB34	VA12FBF04S20CB34	VA12FBF05S20CB34		
	Shielded	VA12XBF03S20CB34	VA12XBF04S20CB34	VA12XBF05S20CB34		
Right Angle	Non-Shielded	VA12FBF03A20CB34	VA12FBF04A20CB34	VA12FBF05A20CB34		
	Shielded	VA12XBF03A20CB34	VA12XBF04A20CB34	VA12XBF05A20CB34		
Shielded		Shielded, Non-Shielded				
Coding		B-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MΩ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optical				
Wire Gage		24AWG				
Wire Size		0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				

Features

- M12 Molded Cable
- Fix Screw Locking
- Male, Female
- Straight, Right Angle
- Shielded, Non-Shielded
- IP67 Protection, IP68 Protection
- C-Coded



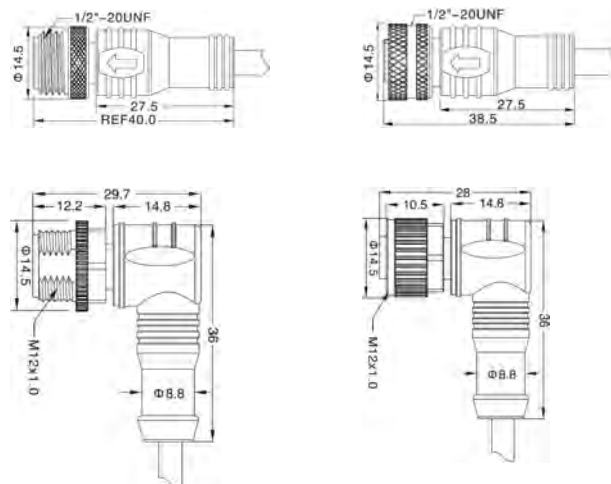
(Unit: mm)

Connector Series		M12				
Locking Type		Fix Screw				
Gender		Male				
Poles		3	4	5	6	
Face View						
Straight	Non-Shielded	VA12MCF03S20CB34	VA12MCF04S20CB34	VA12MCF05S20CB34	VA12MCF06S20CB25	
	Shielded	VA12YCF03S20CB34	VA12YCF04S20CB34	VA12YCF05S20CB34	VA12YCF06S20CB25	
Right Angle	Non-Shielded	VA12MCF03A20CB34	VA12MCF04A20CB34	VA12MCF05A20CB34	VA12MCF06A20CB25	
	Shielded	VA12YCF03A20CB34	VA12YCF04A20CB34	VA12YCF05A20CB34	VA12YCF06A20CB25	
Gender		Female				
Poles		3	4	5	6	
Face View						
Straight	Non-Shielded	VA12FCF03S20CB34	VA12FCF04S20CB34	VA12FCF05S20CB34	VA12FCF06S20CB25	
	Shielded	VA12XCF03S20CB34	VA12XCF04S20CB34	VA12XCF05S20CB34	VA12XCF06S20CB25	
Right Angle	Non-Shielded	VA12FCF03A20CB34	VA12FCF04A20CB34	VA12FCF05A20CB34	VA12FCF06A20CB25	
	Shielded	VA12XCF03A20CB34	VA12XCF04A20CB34	VA12XCF05A20CB34	VA12XCF06A20CB25	
Shielded		Shielded, Non-Shielded				
Coding		C-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MQ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optional				
Wire Gage		24AWG				
Wire Size		0.34mm ² , 0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				



Features

- 1/2"-20UNF Cable Molded
- Fix Screw Locking
- Male, Female
- Straight, Right Angle
- Shielded, Non-Shielded
- IP67 Protection, IP68 Protection
- C-Coded



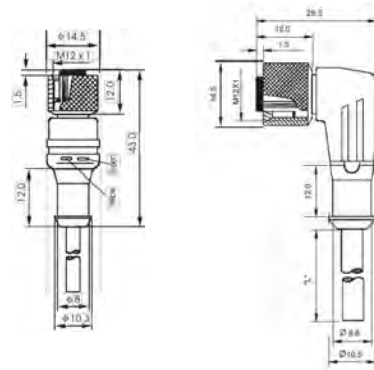
(Unit: mm)

Connector Series		1/2"-20UNF Micro Style				
Locking Type		Fix Screw				
Gender		Male				
Poles		2	3	4	5	6
Face View						
Straight	Non-Shielded	VA21MCF02S20CB34	VA21MCF03S20CB34	VA21MCF04S20CB34	VA21MCF05S20CB25	VA21MCF06S20CB25
	Shielded	VA21YCF02S20CB34	VA21YCF03S20CB34	VA21YCF04S20CB34	VA21YCF05S20CB25	VA21YCF06S20CB25
Right Angle	Non-Shielded	VA21MCF02A20CB34	VA21MCF03A20CB34	VA21MCF04A20CB34	VA21MCF05A20CB25	VA21MCF06A20CB25
	Shielded	VA21YCF02A20CB34	VA21YCF03A20CB34	VA21YCF04A20CB34	VA21YCF05A20CB25	VA21YCF06A20CB25
Gender		Female				
Poles		2	3	4	5	6
Face View						
Straight	Non-Shielded	VA21FCF02S20CB34	VA21FCF03S20CB34	VA21FCF04S20CB34	VA21FCF05S20CB25	VA21FCF06S20CB25
	Shielded	VA21XCF02S20CB34	VA21XCF03S20CB34	VA21XCF04S20CB34	VA21XCF05S20CB25	VA21XCF06S20CB25
Right Angle	Non-Shielded	VA21FCF02A20CB34	VA21FCF03A20CB34	VA21FCF04A20CB34	VA21FCF05A20CB25	VA21FCF06A20CB25
	Shielded	VA21XCF02A20CB34	VA21XCF03A20CB34	VA21XCF04A20CB34	VA21XCF05A20CB25	VA21XCF06A20CB25
Shielded		Shielded, Non-Shielded				
Coding		C-Coded				
Assembly Style		Molded Cable				
Connector Insert		PA+GF				
Mold Material		PVC				
Connector Contacts		Brass with gold plated				
Coupling Nut/Screw		Brass with nickel plated				
Sealing		Viton				
Waterproof Rating		IP67 / IP68				
Protection Degree		1m water 30 minutes				
Standard		IEC 61076-2-104				
Rated Voltage		60VAC / 70VDC				
Insulation Resistance		>500MQ, 500VDC				
Rated Current		4A				
Contact Resistance		<5mΩ				
Ambient Temperature		-45°C~+105°C				
Cable Jacket		PVC/PUR				
Cable Length		2m Standard, other cable length are optional				
Wire Gage		24AWG				
Wire Size		0.34mm ² , 0.25mm ² , 0.14mm ²				
Test Voltage		>1KV eff./60s				
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV				
Durability		3K plug/unplug cycles				
Remarks		Contact us if special specifications.				



Features

- M12 Molded Cable
- With Built-in LED
- Fix Screw Locking
- Female
- Straight, Right Angle
- Non-Shielded
- IP67 Protection, IP68 Protection
- A-Coded



(Unit: mm)

Connector Series		M12							
Locking Type		Fix Screw							
Gender		Female							
Poles		3		4					
Face View		Blank 1= brown 2= / 3= blue 4= black		Blank 1= brown 2= black 3= blue 4= /					
Wiring		A-type PNP-normal open =yellow-green C-type NPN-normal open =yellow-green		H-type PNP-normal closed =yellow-green	F-type PNP-normal closed/open =yellow-green	G-type NPN-normal closed/open =yellow-green	P-type PNP-normal closed/open =yellow-yellow-green		
Straight	PNP	VA12PAF03S20CB34-A		VA12PAF03S20CB34-H		VA12PAF04S20CB25-F		VA12PAF04S20CB25-P	
	NPN	VA12NAF03S20CB34-C				VA12NAF04S20CB25-G			
Right Angle	PNP	VA12PAF03A20CB34-A		VA12PAF03A20CB34-H		VA12PAF04A20CB25-F		VA12PAF04A20CB25-P	
	NPN	VA12NAF03A20CB34-C				VA12NAF04A20CB25-G			
Shielded		Non-Shielded							
Coding		A-Coded							
Assembly Style		Molded Cable							
Connector Insert		PA+GF							
Mold Material		PVC							
Connector Contacts		Brass with gold plated							
Coupling Nut/Screw		Brass with nickel plated							
Sealing		Viton							
Waterproof Rating		IP67 / IP68							
Protection Degree		1m water 30 minutes							
Standard		IEC 61076-2-104							
Rated Voltage		60VAC / 70VDC							
Insulation Resistance		>500MΩ, 500VDC							
Rated Current		4A							
Contact Resistance		<5mΩ							
Ambient Temperature		-45°C~+105°C							
Cable Jacket		PVC/PUR							
Cable Length		2m Standard, other cable length are optional							
Wire Gage		24AWG							
Wire Size		0.25mm ² , 0.14mm ²							
Test Voltage		>1KV eff./60s							
Breakdown Voltage		Normal temperature, >2.5KV; Water, 1KV							
Durability		3K plug/unplug cycles							
Remarks		Contact us if special specifications.							