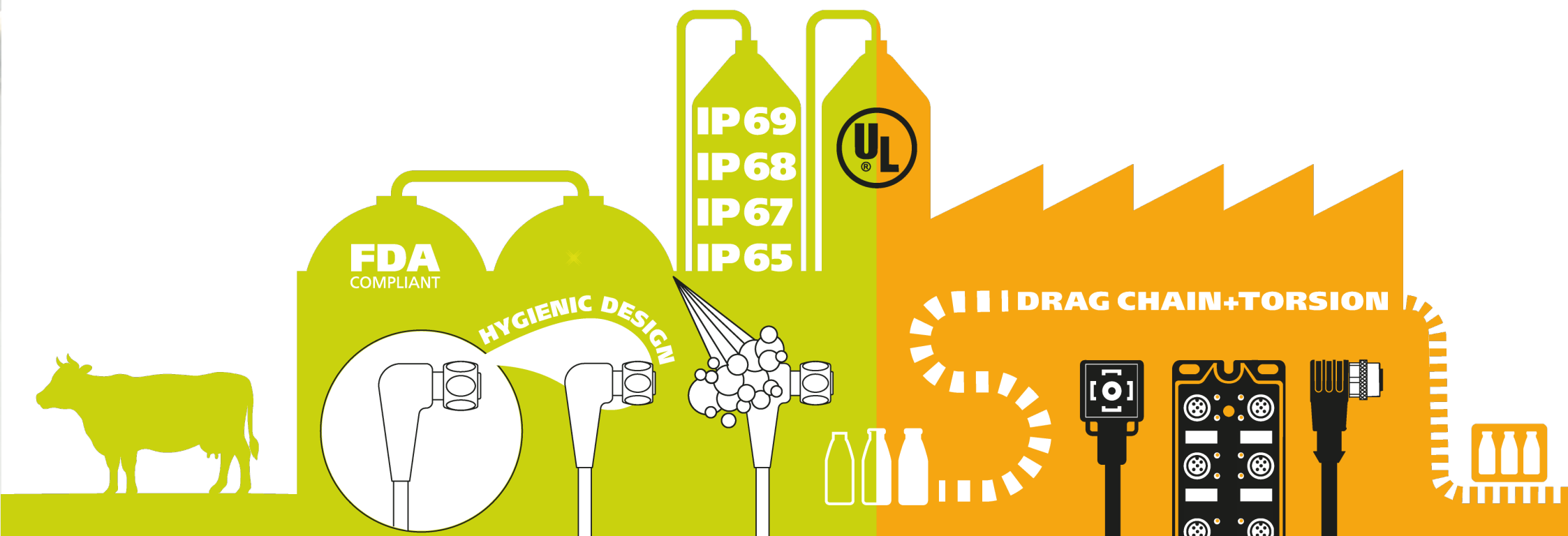




Food & Beverage Connectors for the food industry



	M8					M12								
	stainless steel coupling nut					plastic coupling nuts								
	female			male		female			male		female		male	
			LED					LED						
	↑	↘	↘	↑	↘	↑	↘	↘	↑	↘	↑	↘	↑	↘
P00 PVC/PVC	3, 4	3, 4	3, 4	3, 4	3, 4	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5				
P01 [®] PVC/PVC	3, 4	3, 4	3, 4	3, 4	3, 4	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5				
S3930 [®] TPE/TPE	3, 4	3, 4	3, 4	3, 4	3, 4	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	4	4	4	4

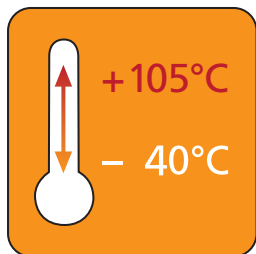


Receptacles		Field-wireable-connectors			
M12					
female	male	female		male	
front wall mounting (print/wire contact)		screw-/clamp contact			
					
4, 5	4, 5	5	5	5	5



	Contact				
Pins	1	2	3	4	5
3	BN		BU	BK	
4	BN	WH	BU	BK	
5	BN	WH	BU	BK	GY

Shown here is our standard portfolio, which includes single-ended cordsets in lengths of 2, 5, and 10 meters, as well as double-ended cordsets in lengths of 1, 2, and 5 meters and stranded wires in lengths of 0.5. We are happy to provide additional variants, codings, cable lengths, and cable qualities upon request.



Food & Beverage

Technical data	M12	M8	Receptacles	Field-wireable
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5 \text{ m}\Omega$	$\leq 5 \text{ m}\Omega$	$\leq 5 \text{ m}\Omega$	$\leq 5 \text{ m}\Omega$
Ambient temperature product	-40°C...+105°C	-40°C...+105°C	-40°C...+105°C	-40°C...+85°C
Contact material	Metal, gold-plated	Metal, gold-plated	Metal, gold-plated	Metal, gold-plated
Contact-carrier material	Plastic, PP	Plastic, PP	Plastic, PP	Plastic, PA
Grip body material	Plastic, PP	Plastic, PP		Zinc die-cast, nickel-plated
Coupling nut material	Stainless steel, V4A Plastic	Stainless steel, V4A	Stainless steel, V4A	Stainless steel, V4A
Sealing (female) material	EPDM	EPDM	FPM/FKM	
Material of external sealing			EPDM	
Receptacle housing material			V4A	
Standards	IEC 61076-2-101	IEC 61076-2-104	IEC 61076-2-101	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67, IP68, IP69	IP65, IP67, IP68, IP69	IP65, IP67, IP68, IP69	IP67
Mechanical life-cycle	>100 mating cycles	>100 mating cycles	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3/2	3	3
Cable outlet				4...6 mm
Connecting cross-section				max. 0,75 mm ²

Our Food&Beverage connectors in 'Hygienic Design' refer to EHEDG directives. FDA-compliant materials guarantee a high resistance to sour and alkaline cleaning- and disinfectant agents. All M8- and M12-components are dust- and water-proof as well as protected against water with high pressure and steam-jet cleaning (IP65, IP67, IP68 and IP69). With PVC and TPE we offer the right cable qualities for your application.

Furthermore and as a cost-effective alternative to stainless-steel, we offer M12 plastic locking nuts which are temperature- and media resistant. These plastic locking nuts are extremely robust, resistant to Ecolab-detergents and can be tightened by hand as well as with a torque wrench.

A background image showing industrial machinery with white pipes and black actuators. A fine mist of water is being sprayed from the equipment, creating a hazy, clean environment. The lighting is bright, highlighting the textures of the machinery and the spray.

Food Contact Zone

In this zone, food may come into contact with equipment components and re-enter the processing stream. Therefore, particularly stringent hygiene requirements apply. ESCHA offers a Hygienic Design product family for this purpose, in accordance with EHEDG guidelines. FDA-compliant materials and high-quality TPE tubing are resistant to acidic and alkaline cleaning and disinfecting agents.

Spray Zone

In the spray or washdown zone, food may come into contact with equipment components but does not re-enter the process. ESCHA offers easy-to-clean connection technology for this purpose, featuring cost-effective PVC cables, optionally with a plastic sleeve for M12 connectors.

Packaging Zone

In this zone, food no longer comes into contact with system components. Aggressive cleaning agents or high-pressure equipment are not used. Therefore, ESCHA's proven product line can be used for sensor and actuator wiring.