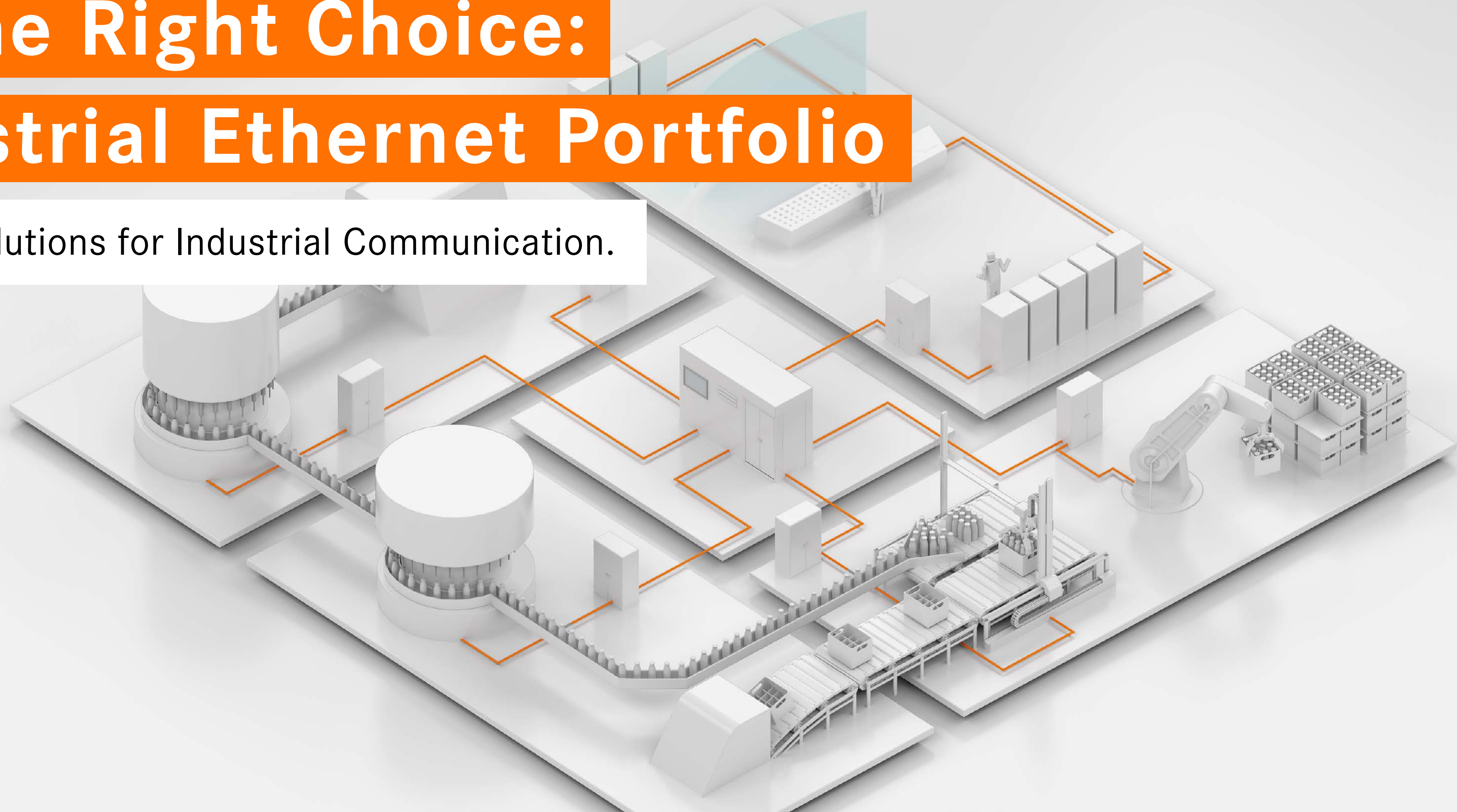


**Always the Right Choice:**

# **Our Industrial Ethernet Portfolio**

Smart Connection Solutions for Industrial Communication.



# LAPP offers a protocol-independent industrial ethernet portfolio for communication in industrial networks and the shortest way to get there.

## We focus on quality

Internet of Things and Industry 4.0 increase the demand on connection technology. Data transmission must be guaranteed at all times in order to avoid scenarios that could lead to production downtimes or even endanger people.

At LAPP we understand the risks and pay attention to the quality and functionality of our products and all components we supply to our customers.

## Data transmission in harsh environments

LAPP has long-term experiences in designing and producing cables and cable accessories for harsh conditions. Suitable for various industries such as automotive, food & beverage, wind energy or railway. In permanent moving, fixed or robotic applications. Indoor, outdoor and even for ground installation.

## Faster, easier, smaller, reliable

Our innovations are driven by challenges of our customers. As a manufacturer we are constantly developing innovative solutions for the most important challenges of the future.

**Fast, easy and comprehensive:** Our selection table shows you in a compact overview all products and accessories at a glance. Reaching from copper cables for different protocol-standards and application areas to several connector types such as RJ45 and M12 types.

## Your advantages at a glance:

- Protocol independent expert advice
- One supplier for all your machine production and plant projects
- Widest range of high-performance copper cables
- Highest material availability
- Cables, patchcords or customer-specific assemblies
- Global availability at over 100 locations
- Products for fixed, flexible, drag chain and torsion installations





## Connector Details

Article Number	Design	Min. Outer Diameter (mm)	Max. Outer Diameter (mm)	Min. Core Diameter (mm)	Max. Core Diameter (mm)	PU	AWG solid	AWG 7-wire	AWG 19-wire
<b>RJ45 Plug</b>									
<b>PROFINET colour-coding (2-pairs)</b>									
21700605	straight, latched	5	9	1	1.6	10	24 - 22	27 - 22	22*
21700651	straight, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	22*
21700638	angled, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	22*
<b>Colour coding acc. to TIA 568A</b>									
21700600	straight, latched	5	9	1	1.6	10	24 - 22	27 - 22	
21700652	straight, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	
21700636	angled, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	
<b>Colour coding acc. to TIA 568B</b>									
21700601	straight, latched	5	9	1	1.6	10	24 - 22	27 - 22	
21700653	straight, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	
21700637	angled, cable gland	5.5	10	1	1.6	1	24 - 22	27 - 22	
<b>Colour coding acc. to TIA 568A for small core diameters</b>									
21700615	straight, latched	5	9	0.85	1.1	10	26 - 24	27 - 24	26*
21700654	straight, cable gland	5.5	10	0.85	1.1	1	26 - 24	27 - 24	26*
21700639	angled, cable gland	5.5	10	0.85	1.1	1	26 - 24	27 - 24	26*
<b>Colour coding acc. to TIA 568B for small core diameters</b>									
21700616	straight, latched	5	9	0.85	1.1	10	26 - 24	27 - 24	26*
21700655	straight, cable gland	5.5	10	0.85	1.1	1	26 - 24	27 - 24	26*
21700640	angled, cable gland	5.5	10	0.85	1.1	1	26 - 24	27 - 24	26*
<b>RJ45 Socket</b>									
<b>Colour coding acc. to TIA 568A</b>									
21700611	ED-IE-AX-RJ45F-6A-A-FC	5	9	0.9	1.6	24	26 - 22	27 - 22	
<b>Colour coding acc. to TIA 568B</b>									
21700612	ED-IE-AX-RJ45F-6A-B-FC	5	9	0.9	1.6	24	26 - 22	27 - 22	
<b>M12 D-coded</b>									
<b>Plug, straight, colour coding acc. to PROFINET®</b>									
21700647	ED-IE-AX-M12D-5-PN-67-FC	6.2	9.7	0.85	1.6	1	26 - 22	26 - 22	
<b>Plug, straight, colour coding acc. to TIA 568</b>									
21700648	ED-IE-AX-M12D-5-67	5	6.1	0.85	1.6	1	26 - 22	26 - 22	
<b>Socket, straight, colour coding acc. to TIA 568</b>									
22261016	AB-C4-M12FSD-SH	4	8	1	1.6	1	26 - 22	26 - 22	
<b>M12 X-coded</b>									
<b>Plug, straight</b>									
21700602	ED-IE-AX-M12X-6A-67-Fc	6.3	9.7	0.85	1.6	1	26 - 22	26 - 22	
<b>Socket, straight</b>									
21700621	ED-IE-AX-M12XF-6A-67-Fc	6.3	9.7	0.85	1.6	1	26 - 22	26 - 22	
<b>Socket, straight includes flange for wall-mounting</b>									
21700622	ED-IE-AX-M12XF-RM-6A-67-Fc	6.3	9.7	0.85	1.6	1	26 - 22	26 - 22	



straight, latched

straight, cable gland

angled, cable gland



Plug

Socket



Plug



Socket



Socket incl. flange

Connect now

Would you like to learn more about our reliable connection solutions for factories, machines and applications? We would be delighted to support you with expert advice.

### LAPP

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Find out more about our connection solutions at  
[lappgroup.es/know-how/comunicacion-industrial](http://lappgroup.es/know-how/comunicacion-industrial)



For the complete catalogue  
 „The World of LAPP -  
 Industrial Communication“  
 please use the QR code.

## Explanatory notes

### Class / Type

A - Cables for fixed installation

B - Cables for flexible applications

C - Cables for continuous flexing applications

PoE - Power over Ethernet

### Material of Outer Sheath

HF - Halogen Free compound

PUR - Polyurethane

PVC - Polyvinylchloride

TPE - Thermoplastic Elastomer

FRNC - Flame Retardant, Non-Corrosive compound

### Shielding

F/UTP - overall foil shield, unshielded twisted pairs

S/FTP - overall braid screen, foil shielded twisted pairs

SF/UTP - overall braid screen and foil shield, unshielded twisted pairs

### High Runner

There is frequent demand for such a product ensuring a good availability on stock

### Connectors

Y\* - Transmission properties are limited by the connector