

**Belcom**

## PROFINET Type R

*for robotic applications*

Highly flexible PROFINET type R cable  
for robotic applications

Belcom has extended its range of FieldLink products with an extremely flexible Industrial Ethernet cable for use in drag chains and robots. It withstands more than 5 million torsion and bending cycles and is suitable for more than 1 million bending cycles in reversed bending tests. Thanks to its optimized design, the cable also fulfills all characteristics according to PROFINET type R. The 4 wires are twisted to a quad with a filler as central element and the outer jacket is made of TPU and therefore flame retardant and oil resistant according to IEC.

- Withstands more than 5 million torsion cycles and more than 5 million bending cycles.
- Suitable for more than 1 million cycles in reversed bending tests.
- Flame retardant acc. to IEC 60332-1-2.
- UL/CSA approved.
- RoHS compliant.

**Belcom** | Cable excellence engineered through quality

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## Cable Design

Conductor	Stranded tinned copper wire (22 AWG)	Ø 0,74 mm
Insulation	Polypropylene (PP)	Ø 1,60 mm
1° Layer	4 wires twisted with Filler as central element	
Tape	Plastic tapes overlapped	
Foil Shield	Alulaminat foil overlapped	
Braid Shield	Tinned Copper Wire Braid, 90% coverage approx.	
Tape	Plastic tape conductive, overlapped	Ø 5,0 mm
Outer Jacket	Polyurethane (PUR)	Ø 7,0 ± 0,20 mm
Core Identification	White - Yellow - Blue - Orange	

## PROFINET Type R for Robotic Applications

Part Number	Type	Specification
L45467-J17-K18	PROFINET type R cable for robotic applications, 2x2x22AWG19, UL recognized: AWM	<a href="#">Link</a>