

Features

- Flexible PUR spiral shielded data cable
- 8-core LiF12YD11Y TB50 FLEX construction with 0.50 mm² conductors
- 4 m extended length with space-saving coiled design
- Bare copper conductors with overall tinned copper shielding
- Black polyurethane (PUR) outer sheath with TPE-E insulation
- Operating temperature range: -25°C to +70°C

RS PRO Spiral Cable TB50 FLEX Data cable (shielded) 8x0,50mm², 1.0m / 4.0m Polyurethane (PUR)

RS Stock No.: 327-509



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

RS PRO Spiral Cable LiF12YD11Y TB50 FLEX power cable is a high-quality shielded spiral cable designed to provide reliable power and signal transmission in applications requiring flexibility and repeated movement. Constructed with 8-core 0.50 mm² conductors, the cable delivers dependable electrical performance for multi-core power and control applications. The conductors feature TPE-E insulation, while the robust black polyurethane (PUR) outer sheath provides excellent resistance to abrasion, mechanical wear, and frequent flexing, helping to ensure a long service life in demanding industrial environments. The spiral construction allows the cable to extend up to 4 m when required and retract when not in use, supporting efficient cable management and reducing the risk of tangling or cable damage.

This cable is commonly used for connecting movable machinery, automation systems, control equipment, sensors, and portable electrical devices where flexibility and reliable signal transmission are essential. The shielded construction helps reduce the effects of electromagnetic interference, making the cable suitable for applications involving power and control signals. Typical applications include industrial machinery, handling equipment, production lines, robotic systems, and equipment connections subject to regular movement. Suitable for operation in temperatures ranging from -25°C to +70°C, the cable is designed to provide reliable performance and mechanical protection in a wide range of industrial and commercial environments.

General Specifications

Brand	RS PRO
Product Type	Spiral Cable
Series	TB50 FLEX Data cable (shielded)
Number of cores	8
Cable CSA	0,50 mm ²
Shielding	Yes (overall shielded)
Jacket Material	Polyurethane (PUR)
Jacket colour	Black (semi-glossy)
Conductor type	64x0,10 mm Bare copper
Conductor insulation	TPE-E
Conductor colours	According to DIN 47100

Mechanical Specifications

Cable diameter	8mm
Conductor diameter	1,40mm
Spiral diameter	29mm
Retracted spiral cable length	1m
Extended spiral cable length	4m
Weight	0.85kg
Extension rate	4

Operation Environment Specifications

Minimum operating temperature	-25 °C
Maximum operating temperature	70 °C

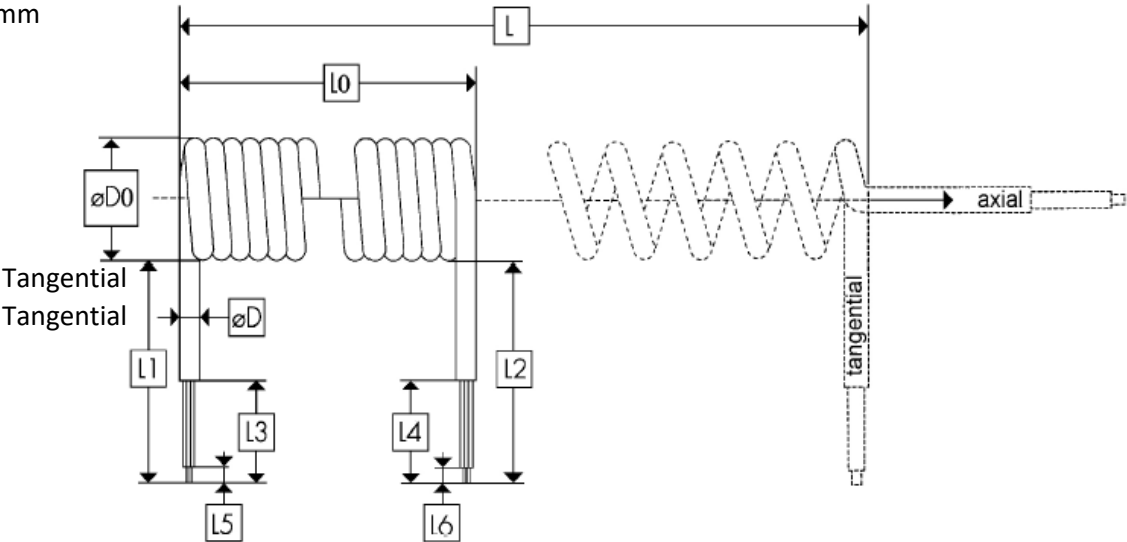
Approvals

Compliance/Certifications	RoHS
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Dimensional Drawing

*Dimensions below in mm

Key to Standard Diagram	
L	4000
L0	1000
ØD	8,0
ØD0	29,0
L1	200
L2	200
L3	
L4	
L5	
L6	



Tolerances ± 10% unless stated otherwise