

Features

- Flexible PUR spiral shielded data cable
- 8-core LiF12YD11Y TB50 FLEX construction with 0.14 mm² conductors
- 1.2 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) 8x0,14mm², 0.3m / 1.2m Polyurethane (PUR)

RS Stock No.: 327-451



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 0.14 mm² conductors, the cable delivers dependable electrical performance for control, signalling, and low-current applications. The conductors feature TPE-E insulation, while the durable black polyurethane (PUR) outer sheath provides excellent resistance to abrasion, mechanical wear, and frequent flexing, helping to ensure long service life in demanding environments. Its coiled design allows the cable to extend up to 1.2 m when required and retract when not in use, supporting efficient cable management and reducing the risk of cable damage or entanglement.

This cable is commonly used for connecting sensors, control equipment, automation devices, instrumentation systems, and portable electrical equipment where flexibility and reliable signal transmission are essential. The shielded construction helps minimise the effects of electromagnetic interference, making the cable suitable for applications involving sensitive control and communication signals. Typical applications include industrial machinery, automation systems, monitoring equipment, production lines, 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 effective 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	0,14 mm ²
Shielding	Yes (overall shielded)
Jacket Material	Polyurethane (PUR)
Jacket colour	Black (semi-glossy)
Conductor type	18x0,10 mm Bare copper
Conductor insulation	TPE-E
Conductor colours	According to DIN 47100

Mechanical Specifications

Cable diameter	5,40mm
Conductor diameter	0,90mm
Spiral diameter	19,80mm
Retracted spiral cable length	0.3m
Extended spiral cable length	1.2m
Weight	0.13kg

Extension rate	4
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Operation Environment Specifications

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

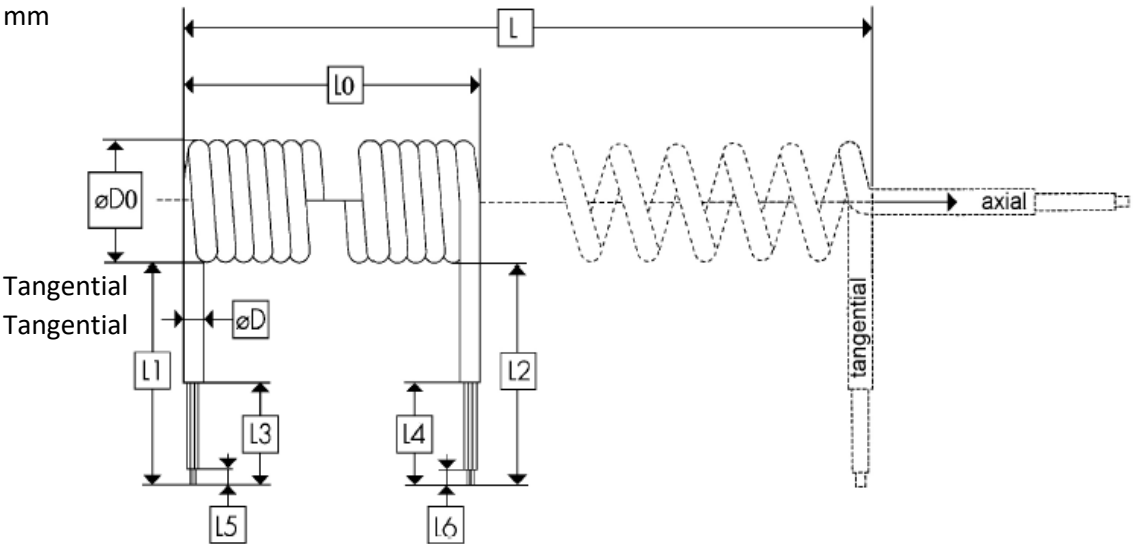
Approvals

Compliance/Certifications	RoHS
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Dimensional Drawing

*Dimensions below in mm

Key to Standard Diagram	
L	1200
L0	300
ØD	5,4
ØD0	19,8
L1	200
L2	200
L3	
L4	
L5	
L6	



Tolerances ± 10% unless stated otherwise