

Features

- Flexible PUR spiral control cable
- 5-core LiF12YD11Y TB50 FLEX construction with 5 x 0.14 mm² conductors
- 1.6 m extended length with space-saving coiled design
- Bare copper conductors with tinned copper wire shielding
- Black polyurethane (PUR) outer sheath
- Operating temperature range: -25°C to +70°C

RS PRO Spiral cable TB50 Data cable (shielded) 5x0,14 mm², 0.4m / 1.6m Polyurethane (PUR)

RS Stock No.: 283-6033



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 coiled cable is a high-quality shielded spiral cable designed for applications requiring a flexible, durable, and reliable connection. Constructed with 5 x 0.14 mm² bare copper conductors and tinned copper wire shielding, it helps provide stable signal transmission while reducing the effects of electromagnetic interference. The cable features TPE-E conductor insulation and a robust black polyurethane (PUR) outer sheath that offers good resistance to abrasion, mechanical wear, and repeated flexing. With a 1.6 m extended length and compact 400 mm coiled length, the spiral design helps minimise cable clutter while maintaining flexibility for moving equipment.

This cable is commonly used to connect sensors, control devices, automation equipment, moving machinery, and other systems where frequent movement or extension of the cable is required. Typical applications include industrial automation systems, material handling equipment, production machinery, control panels, and mobile equipment. The shielded construction provides additional protection against external electrical interference, making it suitable for signal and control applications in industrial environments. The cable is RoHS compliant and is designed for use with compatible equipment operating within its specified temperature range of -25°C to +70°C.

General Specifications

Brand	RS PRO
Product Type	Spiral Cable
Series	TB50 FLEX Data cable (shielded)
Number of cores	5
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	DIN 47100

Mechanical Specifications

Cable diameter	4.6mm
Conductor diameter	0.90mm
Spiral diameter	17.2mm
Retracted spiral cable length	0.4m
Extended spiral cable length	1.6m
Weight	0.12kg
Extension rate	4

Operation Environment Specifications

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

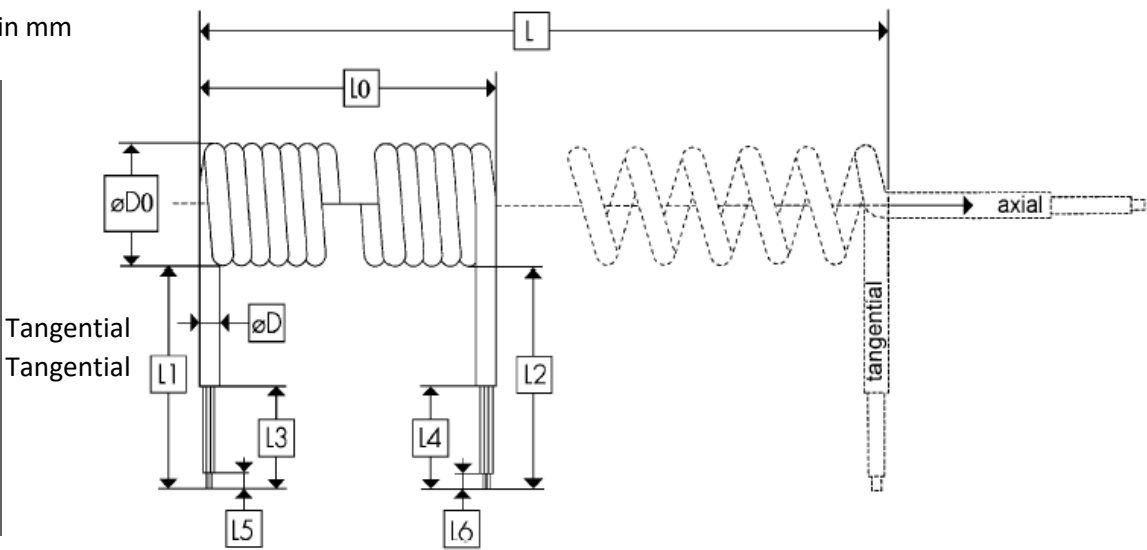
Approvals

Compliance/Certifications	RoHS
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Dimensional Drawing

*Dimensions below in mm

Key to Standard Diagram	
L	1600
L0	400
ØD	4.6
ØD0	17.2
L1	150
L2	300
L3	
L4	
L5	
L6	



*Dimensions below in mm

Tolerances ± 10% unless stated otherwise