

TPU Coiled Cable

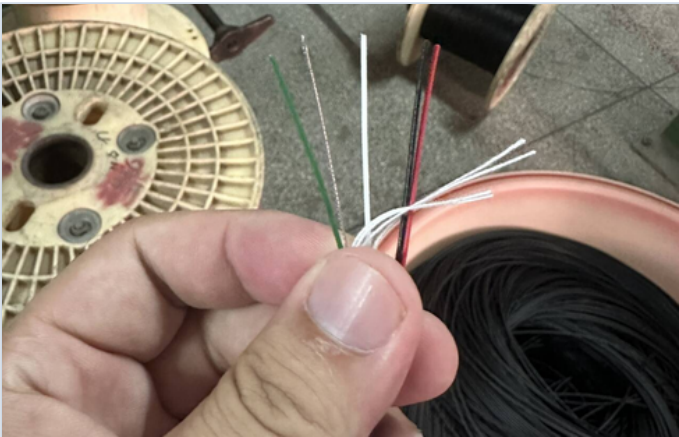
RFQ Specification Checklist

Use this worksheet to describe a custom TPU coiled cable, also called a TPU spiral cable. Complete the confirmed fields and mark uncertain items for engineering review. Photos, drawings, connector samples and basic application details are welcome even when the specification is not yet complete.



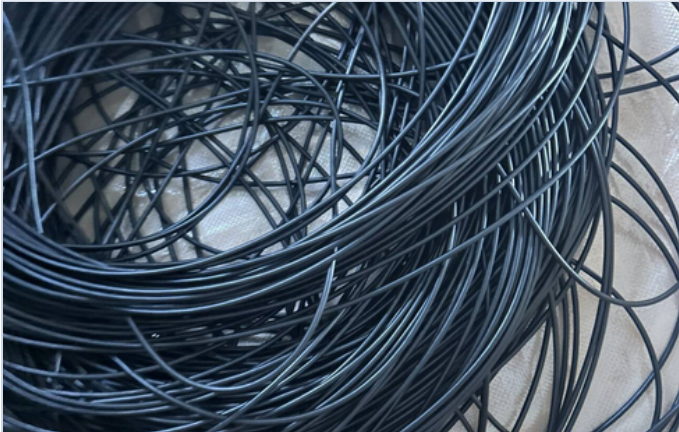
Relaxed length review

State the measuring condition, target dimension and acceptable tolerance.



Conductor construction

Confirm conductor count, gauge, circuit function, insulation colors and shielding needs.



Cable material preparation

Identify jacket request, cable diameter, color, marking and environmental exposure.



Packaging protection

Agree on coil restraint, unit protection, labels, carton marks and variant separation.

Project photos supplied by Nexharn. They illustrate specification and receiving-check topics; they are not a certificate, laboratory report or guarantee for every cable design.

Project, Application and Commercial Requirements

Complete confirmed fields and mark open items for engineering review

Quick start

☐ Application or equipment

☐ Required working extension

☐ Conductors and wire gauge

☐ Environment and movement

☐ Relaxed coiled length

☐ Straight tail lengths

☐ Connector and pinout

☐ Quantity and packaging

Buyer and project

Company

Contact name / role

Email / phone

Project or equipment name

Target market / delivery location

Commercial requirements

Sample quantity

Estimated order quantity

Estimated annual demand

Target sample date

Target production date

Application and current sourcing problem

Equipment and cable function	Movement, mounting and failure concern

☐ Power

☐ Shielding may be required

☐ Outdoor / wet exposure

☐ Cold environment

☐ Signal / data

☐ Repeated extension and return

☐ Oil / abrasion exposure

☐ Customer-specific requirement

Cable Dimensions and Electrical Construction

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Record target values, tolerances and how they will be measured

1. Coiled cable dimensions

Parameter	Target	Tolerance / measurement condition
Relaxed coiled length		
Normal working extension		
Maximum extension, if applicable		
Cable outside diameter		
Coil outside diameter		
Tail A length and direction		
Tail B length and direction		

Clarify whether extension is a normal operating length or an occasional maximum. Cable design should be reviewed against the actual movement, load and installation space.

2. Conductors, jacket and shielding

Number of conductors 	Jacket color / marking
Wire gauge / conductor size 	Shield type or EMC concern
Voltage / current per circuit 	Drain wire / grounding method
Signal or data requirement 	Special material requirement

3. Connector, termination and pinout

End A	End B	Pinout / termination notes
Connector: Overmold / strain relief:	Connector: Overmold / strain relief:	

- ☐ Connector drawing attached
- ☐ Mating part identified
- ☐ Keying / orientation specified

- ☐ Pinout table attached
- ☐ Customer sample available
- ☐ Label or serial marking required

Sample Approval, Testing and Packaging

Agree on inspection methods before sample approval and production

4. Sample approval checklist

Dimensional and visual checks

- ☐ Relaxed length after agreed conditioning
- ☐ Working extension under agreed method
- ☐ Tail lengths and coil direction
- ☐ Jacket surface, color and marking
- ☐ Connector orientation and overmold

Electrical and functional checks

- ☐ Continuity and pinout
- ☐ Conductor resistance, if specified
- ☐ Insulation / withstand test, if specified
- ☐ Shield continuity, if applicable
- ☐ Fit and function in buyer equipment

Required standard, customer test method or acceptance limit

5. Packaging and identification

Item	Requirement
Individual protection	
Coil restraint / tie method	
Unit quantity per bag or carton	
Label content / barcode	
Carton mark / private label	
Special handling or export packaging	

6. Files to include

- ☐ Cable drawing
- ☐ Pinout / wiring table
- ☐ Existing sample photos
- ☐ Packaging artwork
- ☐ Connector datasheets
- ☐ Product or installation photos
- ☐ Customer specification
- ☐ Estimated quantity forecast

Send the checklist for engineering review

Upload drawings, sample photos and this completed worksheet at:

nexharnconnectivity.com/upload-rfq/

If the drawing is not ready, send photos and the confirmed requirements first. Final construction, testing, MOQ and lead time are reviewed according to the specification and quantity.