Connector, Adaptor and Extension Cables

for Handheld Programming Devices (Teach Pendant)

sumcab ROBOTICS

As a manufacturer and packager of special cables, SUMCAB can cover all your cabling needs from a single source, which reduces processing time and the number of suppliers you have to deal with. Our special "connection-ready" cable product range includes a comprehensive assortment of connector, adaptor and extension cables for Teach Pendant – available for the majority of popular robot and machinery control systems.

The connector cable between the controller cabinet and the portable teach panel has to reliably fulfil its operating functions over the long term.

In addition to voltage and control signals, safety-related process functions for the enabling switch and emergency off switch must transmitted reliably.

We offer a large selection of relevant connection-ready cabling systems that are compatible with almost all controller generations on the market and designed to meet the quality, reliability and conformity requirements specified in the various manufacturer standards. All components undergo extensive quality and functionality checks – our QA documentation can be provided on request.

Technical Specifications

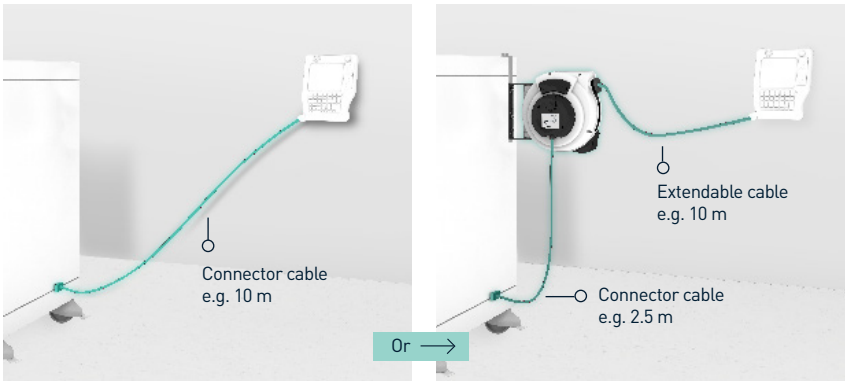
Nominal voltage	250V
Test voltage	2500V
Minimum bend radius	7,5 x D
Temperature range	-40°C to +80°C
Maximum speed of movement	250m/min (in combination with drag chain)
Maximum acceleration / delay	40 m/s² (in combination with drag chain)
Maximum horizontal movement (reach)	Distanz 100 m (in combination with drag chain)
Number of cycles	From 1 to 10 milion depending on the application type

Composition

Conductor	Extremely flexible fine pitch thread of bare copper wires (EN 60228, Class 2)
Insulation	TPE-E
Identification	DIN 47100 (colour-coded)
Cabling	In concentric layers with optimised series cabling
Shield	Tinned copper braid
Outer sheath	PUR

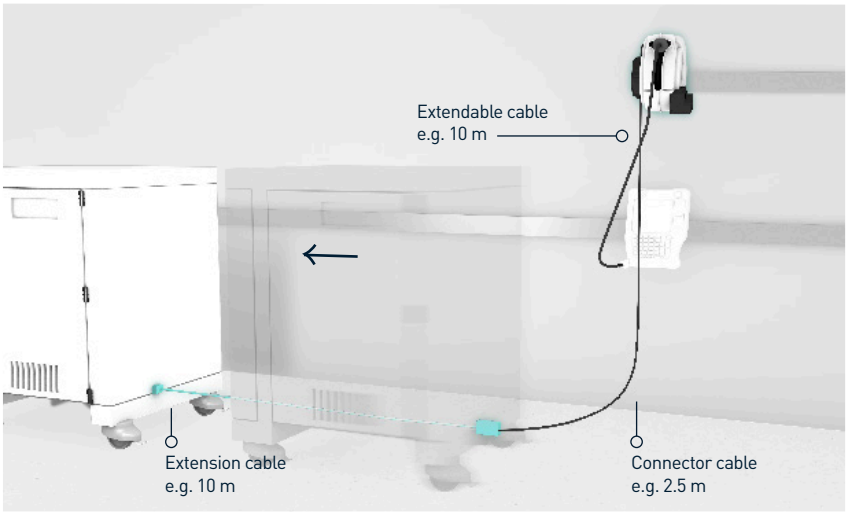
Connector Cables for Teach Pendant

Sumcab's connector cables for teach pendant are available in standard 10 and 20 m lengths for robot and machinery control systems from BB, COMAU, FANUC, KAWASAKI, KEBA, KUKA, PANASONIC, REIS, STÄUBLI, SIEMENS and YASKAWA.



The original teach panel connector cable can be replaced by the MTPReel™ cable retraction system, which was developed specifically for teach panel connector cables and facilitates the safe and orderly storage of the connector cable thereby eliminating trip hazards and contributing to workplace safety.

Extension Cables for Teach Pendant

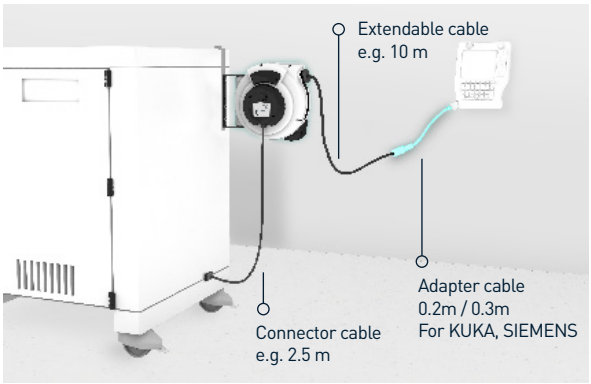


Sumcab's extension cables for teach pendant are available in standard 10, 15 and 20 m lengths for robot and machinery control systems from BB, COMAU, FANUC, KAWASAKI, KEBA, KUKA, PANASONIC, REIS, STÄUBLI, SIEMENS and YASKAWA.

The extension cables can be used to extend the MTPReel™ connector cable to the control cabinet if the cabinet needs to be repositioned and the original cable length (e.g., 2.5 m) is no longer sufficient to cover the distance.

Adapter Cables for Teach Pendant

Sumcab's adapter cables for teach pendant are available for robot and machinery control systems from KUKA (KRC4) and SIEMENS in standard lengths of 0.3 and 0.2 respectively.



Using the adapter cable enables you to easily disconnect and reconnect the extendable cable (or MTPReel™) and teach pendant, as, rather than being hard-wired into the teach pendant, the extendable cable is connected via the adapter.

This makes replacing a defective extendable cable (or MTPReel™) a quick and flexible process. An additional benefit of using the adapter cable is that multiple connection points along the assembly line can be accessed using a single teach pendant.