

groov ACCESSORIES

Features

- > Additional or replacement parts designed specifically for *groov* products
- > Replacement terminals for *groov* I/O and *groov* RIO modules; some specific for thermocouple or high voltage loads
- > Tools to help you wire your field devices and manage cables

DESCRIPTION

groov accessories include replacement parts, like field wiring connectors, and helpful additional products, like pre-made cables that can save you time and expense.

groov REPLACEMENT PARTS

Terminal connectors are for wiring field devices to *groov* I/O or *groov* RIO modules, accept wire sizes from 28–14 AWG, and are sold in packages of five:

- **GRV-TERM26-5** connectors are black and are used with most modules.
- **GRV-TERMG26-5** connectors are gray and provide cold-junction compensation for thermocouple channels.
- **GRV-TERMPM13-5** connectors support connections to high voltage loads and are used with the GRV-IVAPM-3 and GRV-R7-I1VAPM-3 modules.

See the list of modules on [page 5](#) to determine which part number you need.



GRV-TERM26-5



groov accessories

GRV-TEX-SCTOOL is a long and sturdy spring clamp tool that makes it quick and easy to connect wires to *groov* I/O and *groov* RIO terminals.



Part Numbers

Part	Description
GRV-TERM26-5	Terminal connectors for <i>groov</i> I/O or <i>groov</i> RIO modules, black, 5-pack
GRV-TERMG26-5	Terminal connectors for <i>groov</i> I/O or <i>groov</i> RIO modules, thermo support, gray, 5-pack
GRV-TERMPM13-5	Terminal connectors for <i>groov</i> I/O or <i>groov</i> RIO power monitoring modules, black, 5-pack
GRV-TEX-26F6	26-wire cable for <i>groov</i> I/O modules. Straight-through; no common terminals. Flying leads.
GRV-TEX-SCTOOL	<i>groov</i> spring clamp terminal tool
GRV-TEX-RCTM-5	<i>groov</i> RIO cable ties push mounts, 5-pack

GRV-TEX-RCTM-5 are packages of five cable tie push mounts for bundling field wires to *groov* RIO modules. Push a mount into the vent of a *groov* RIO, then thread a zip tie through the mount.



GRV-TEX-RCTM-5

groov TEX CABLES

groov TEX cables like the **GRV-TEX-26F6** save time and expense during installation, maintenance, and debugging by reducing the time and effort required to connect field devices to *groov* I/O modules.



GRV-TEX-26F6

*NOTE: The GRV-TEX-26F6 can be used with some *groov* RIOs **unless** you have one or more channels configured as thermocouples. (See "*groov* TEX Cable Specifications" on page 3.)*

The wires are 20 AWG, offering significantly more flexibility, tighter radius bends, and an over-all easier cable management experience. The wires are ferruled before being inserted into the *groov* I/O module terminal connector, ensuring a proper connection and enhancing durability.

Pre-assigned wire colors help provide visual consistency across multiple modules, making pin assignments easier to remember. You can use the convenient "[Pin/Wire Color/Device Assignments Worksheet](#)" on page 4 to note which wire is connected to which device. Then make copies of the form to store in the field and in a central location for easy reference.

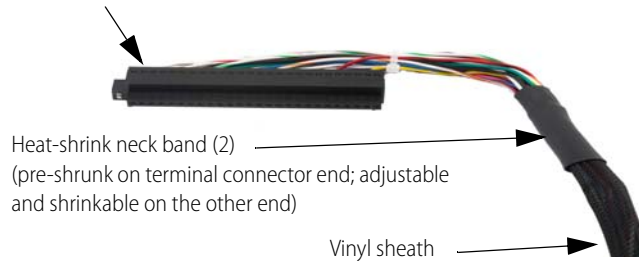
The six-foot wires and vinyl sheath that bundles the wires can be trimmed to any length. The heat-shrink neck band can be placed at the end of the vinyl sheath, preventing fraying of the vinyl sheath and keeping the wires securely bundled at the end of the sheath.

SPECIFICATIONS

groov TEX Cable Specifications

Specification	GRV-TEX-26F6
Number of wires	26
Wire gauge	20 AWG
Temperature (operating)	-20 °C to +70 °C
Temperature (storage)	-40 °C to +85 °C
Humidity (non-condensing)	5–95% RH
Agency Approvals	CE, RoHS, DFARS; UKCA
Warranty	30 months

groov I/O or groov RIO* module terminal connector



* NOTE: The GRV-TEX-26F6 can be used with groov RIO part number GRV-R7-MM1001-10 or GRV-R7-MM2001-10 **unless** you have one or more channels configured as thermocouples.

groov TEX Cable Pin-to-Wire Color Assignments

Pin #	Color	Pin #	Color
1	White	14	White with Orange stripe
2	White with Black stripe	15	Gray
3	Red	16	White with Gray stripe
4	White with Red stripe	17	Violet
5	Black	18	White with Violet stripe
6	Black with White stripe	19	Pink
7	Green	20	Pink with Black stripe
8	White with Green stripe	21	Red with Black stripe
9	Yellow	22	Blue with Black stripe
10	White with Yellow stripe	23	Red with White stripe
11	Blue	24	Blue with White stripe
12	White with Blue stripe	25	Yellow with White stripe
13	Orange	26	Red with Blue stripe

Pin/Wire Color/Device Assignments Worksheet

The following worksheet is provided for your convenience.

Pin #	Wire Color(s)	Name/Description/Notes
1	White	
2	White with Black stripe	
3	Red	
4	White with Red stripe	
5	Black	
6	Black with White stripe	
7	Green	
8	White with Green stripe	
9	Yellow	
10	White with Yellow stripe	
11	Blue	
12	White with Blue stripe	
13	Orange	
14	White with Orange stripe	
15	Gray	
16	White with Gray stripe	
17	Violet	
18	White with Violet stripe	
19	Pink	
20	Pink with Black stripe	
21	Red with Black stripe	
22	Blue with Black stripe	
23	Red with White stripe	
24	Blue with White stripe	
25	Yellow with White stripe	
26	Red with Blue stripe	

groov Terminal Connector Specification

Specification	GRV-TERM26-5, GRV-TERMG26-5, and GRV-TERMPM13-5
Wire size	28–14 AWG
Torque for connector screw	2.5 in-lb (0.28 N-m)



GRV-TERM26-5



GRV-TERMG26-5



GRV-TERMPM13-5

Terminal connector part numbers for *groov* I/O and *groov* RIO modules

For this product	Use this terminal connector
GRV-CCANI-2	GRV-TERM26-5
GRV-CSERI-4	GRV-TERM26-5
GRV-IAC-24	GRV-TERM26-5
GRV-IACDCTTL-24	GRV-TERM26-5
GRV-IACDCTTLS-24	GRV-TERM26-5
GRV-IACHV-24	GRV-TERM26-5
GRV-IACHVS-24	GRV-TERM26-5
GRV-IACI-12	GRV-TERM26-5
GRV-IACIHV-12	GRV-TERM26-5
GRV-IACIHVS-12	GRV-TERM26-5
GRV-IACIS-12	GRV-TERM26-5
GRV-IACS-24	GRV-TERM26-5
GRV-IDC-24	GRV-TERM26-5
GRV-IDCI-12	GRV-TERM26-5

For this product	Use this terminal connector
GRV-IDCIFQ-12	GRV-TERM26-5
GRV-IDCIS-12	GRV-TERM26-5
GRV-IDCS-24	GRV-TERM26-5
GRV-IDCSW-12	GRV-TERM26-5
GRV-IICTD-12	GRV-TERM26-5
GRV-IMA-24	GRV-TERM26-5
GRV-IMAI-8	GRV-TERM26-5
GRV-ITM-12	GRV-TERMG26-5
GRV-ITMI-8	GRV-TERMG26-5
GRV-ITR-12	GRV-TERM26-5
GRV-IV-24	GRV-TERM26-5
GRV-IVAPM-3	GRV-TERMPM13-5
GRV-IVI-12	GRV-TERM26-5
GRV-IVIRMS-10	GRV-TERM26-5
GRV-OAC-12	GRV-TERM26-5
GRV-OACI-12	GRV-TERM26-5
GRV-OACIS-12	GRV-TERM26-5
GRV-OACS-12	GRV-TERM26-5
GRV-ODCI-12	GRV-TERM26-5
GRV-ODCIS-12	GRV-TERM26-5
GRV-ODCSRC-24	GRV-TERM26-5
GRV-OMRIS-8	GRV-TERM26-5
GRV-OVMAILP-8	GRV-TERM26-5
GRV-OVMALC-8	GRV-TERM26-5
GRV-R7-MM1001-10	GRV-TERMG26-5
GRV-R7-MM2001-10	GRV-TERMG26-5