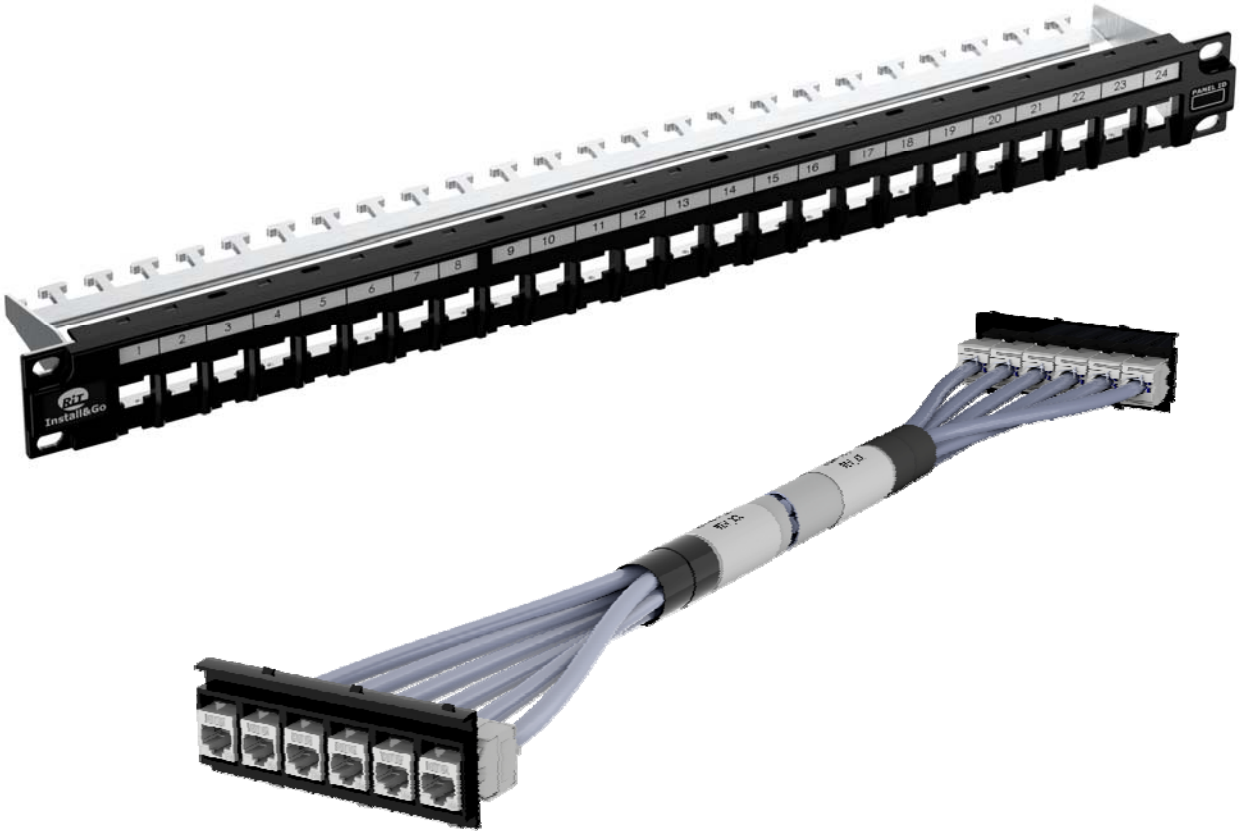
SMARTen Install & Go System

General



RiT's SMARTen Copper Install & Go System provides a pre-terminated cabling solution for quick and straight-forward installations. Based on the robust design, the system enables fast network deployment and decreases the total cost of ownership compared to traditional field termination methods.

While offering the pre-terminated trunk cable assemblies in almost any common length options and 100% factory tested, this solution allows for a user to enjoy the benefits of almost infinite types of usages in mission-critical datacenters, enterprises and SMB communication rooms.

Offering the SMARTen known high electrical performance with easy installation, this system provides the ability to run up to 10Gpbs application without the need in additional testing in the field.

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Features

- Six fully shielded SMARTen Keystones at each end of the trunk cable assembly
- Six Horizontal cables (Category 6, 6A, 7 and 7A), LSZH cables, individually jacket coated and jacket overall
- provide the ultimate flexibility for any rack installation
- Four cable assemblies can be connected to each 19” copper frame
- Cable assembly comply with Permanent Link specifications, ANSI/TIA-568C.2-10 and
- ISO 11801 Category6A/Class EA 2.1 edition for supporting 10GBase-T requirements
- Suitable for high-density installation
- 100% factory tested (results attached to each trunk cable assembly)
- RoHs compliant

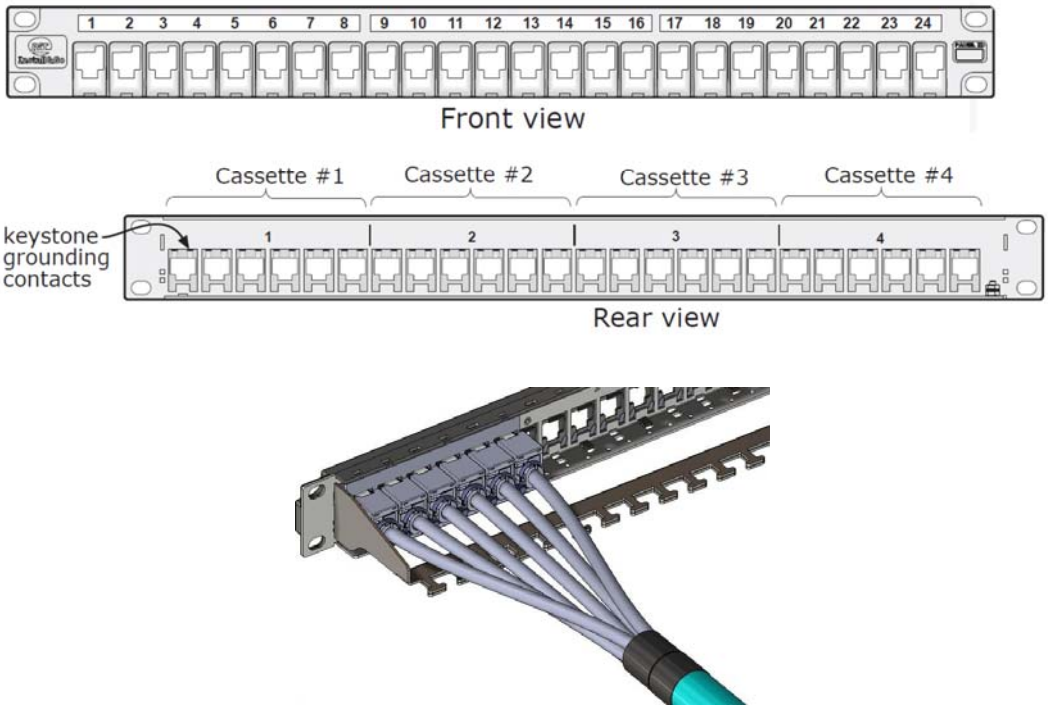
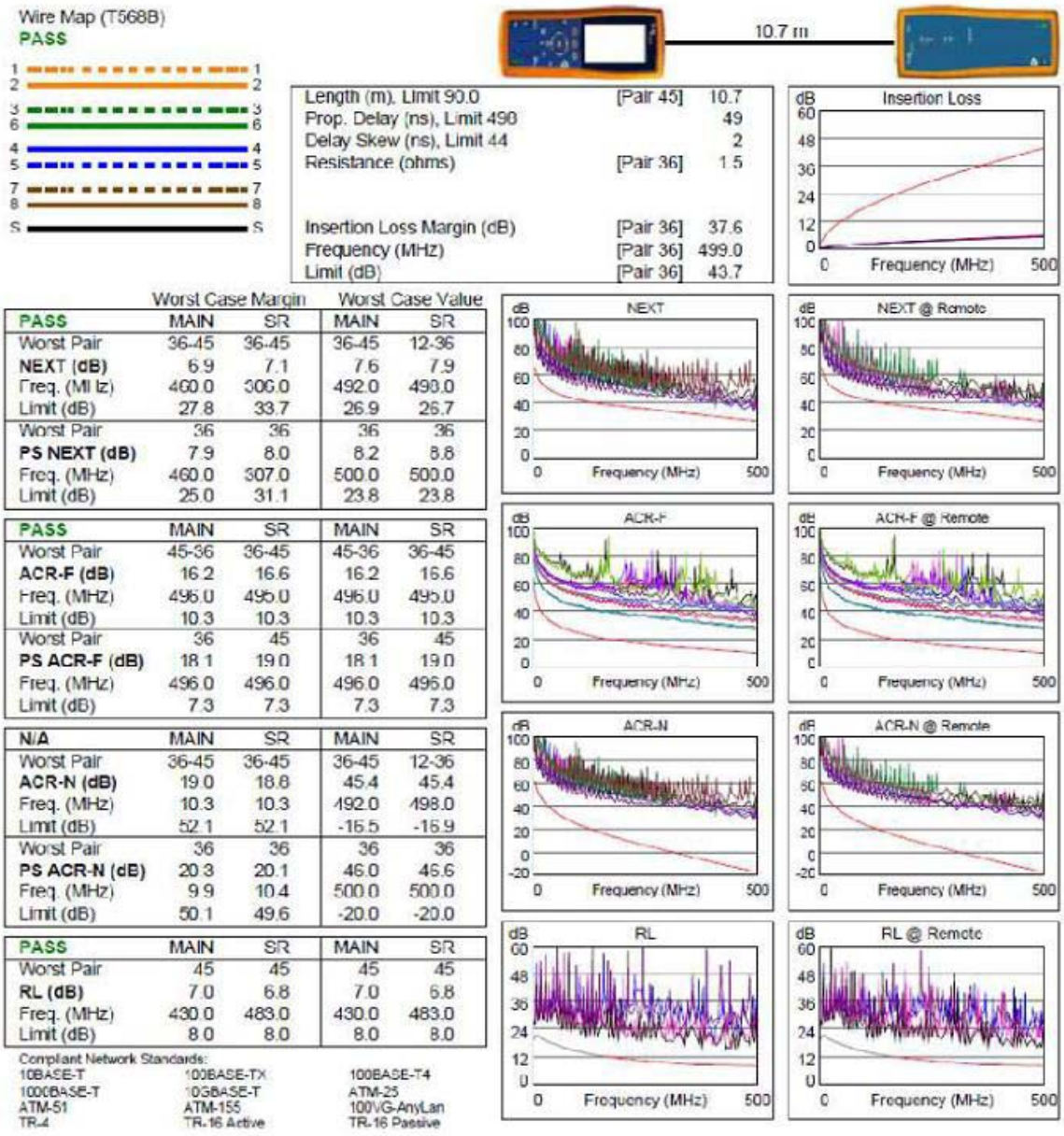


Fig. 1

SMARTen Install & Go System

Specifications

Typical performance (10 meters)



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
NEXT (dB)	6.9	7.1	7.6	7.9
Freq. (MHz)	460.0	306.0	492.0	498.0
Limit (dB)	27.8	33.7	26.9	26.7
Worst Pair	36	36	36	36
PS NEXT (dB)	7.9	8.0	8.2	8.8
Freq. (MHz)	460.0	307.0	500.0	500.0
Limit (dB)	25.0	31.1	23.8	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	16.2	16.6	16.2	16.6
Freq. (MHz)	496.0	496.0	496.0	496.0
Limit (dB)	10.3	10.3	10.3	10.3
Worst Pair	36	45	36	45
PS ACR-F (dB)	18.1	19.0	18.1	19.0
Freq. (MHz)	496.0	496.0	496.0	496.0
Limit (dB)	7.3	7.3	7.3	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
ACR-N (dB)	19.0	18.8	45.4	45.4
Freq. (MHz)	10.3	10.3	492.0	498.0
Limit (dB)	52.1	52.1	-16.5	-16.9
Worst Pair	36	36	36	36
PS ACR-N (dB)	20.3	20.1	46.0	46.6
Freq. (MHz)	9.9	10.4	500.0	500.0
Limit (dB)	50.1	49.6	-20.0	-20.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	7.0	6.8	7.0	6.8
Freq. (MHz)	430.0	483.0	430.0	483.0
Limit (dB)	8.0	8.0	8.0	8.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AnyLan
TR-4	TR-16 Active	TR-16 Passive

SMARTen Install & Go System

Specifications

Trunk Cable Assemblies

- **Lengths**
  Any length between 5 - 30 meters
  For other lengths please contact your local distributor.

- **Cable Diameter** (for example: Category 6A, U/FTP Horz. Cable)
  Overall: 26.4 mm nominal
  Each cable: 7.6 mm nominal

Copper Frame

- **Capacity**
  Accepts up to 4 trunk cable assembly, total of 24 ports

- **Cable Clamping**
  Cable retention tray enhances cable strain relief

Physical (for example: Category 6A, U/FTP Horz. Cable)
Height 44.4 mm / 1.75" (1U)
Width 482.6 mm / 19"
Tray 105 mm (4.13")
Weight 0.35 kg (0.73 lb)
Weight with Cable Retention
Tray 0.33 kg (0.73 lb)

- **Material**
  Aluminum with Plastic (UL 94V-0) covers

- **Temperature Ranges**
  Storage: -40° to +70°C
  Operation: -10° to +60°C

- **Humidity**
  93% non-condensing

SMARTen Install & Go System

Ordering Information

Number	Description
R4585001	Install & Go Keystone Cassette Panel 24, STP
R4585050	Install & Go SMARTen Trunk Cable Assembly, STP. 5.0m
R4585060	Install & Go SMARTen Trunk Cable Assembly, STP. 6.0m
R4585070	Install & Go SMARTen Trunk Cable Assembly, STP. 7.0m
R4585080	Install & Go SMARTen Trunk Cable Assembly, STP. 8.0m
R4585090	Install & Go SMARTen Trunk Cable Assembly, STP. 9.0m
R4585100	Install & Go SMARTen Trunk Cable Assembly, STP. 10.0m
R4585110	Install & Go SMARTen Trunk Cable Assembly, STP. 11.0m
R4585120	Install & Go SMARTen Trunk Cable Assembly, STP. 12.0m
R4585130	Install & Go SMARTen Trunk Cable Assembly, STP. 13.0m
R4585140	Install & Go SMARTen Trunk Cable Assembly, STP. 14.0m
R4585150	Install & Go SMARTen Trunk Cable Assembly, STP. 15.0m
R4585200	Install & Go SMARTen Trunk Cable Assembly, STP. 20.0m
R4585250	Install & Go SMARTen Trunk Cable Assembly, STP. 25.0m
R4585300	Install & Go SMARTen Trunk Cable Assembly, STP. 30.0m
R4585500	Install & Go SMARTen Trunk Cable Assembly, STP. 50.0m
R4902XXX*	Install & Go SMARTen Trunk Cable Assembly, STP (without cassette)

Note:

Optionally purchase Truck Cable without a cassette, for that purpose you should use Keystone Panel R3735082.

* 3 last positions XXX are for cord length.
For example: R4902030 for 3 meter, R4902065 for 6.5 meters.