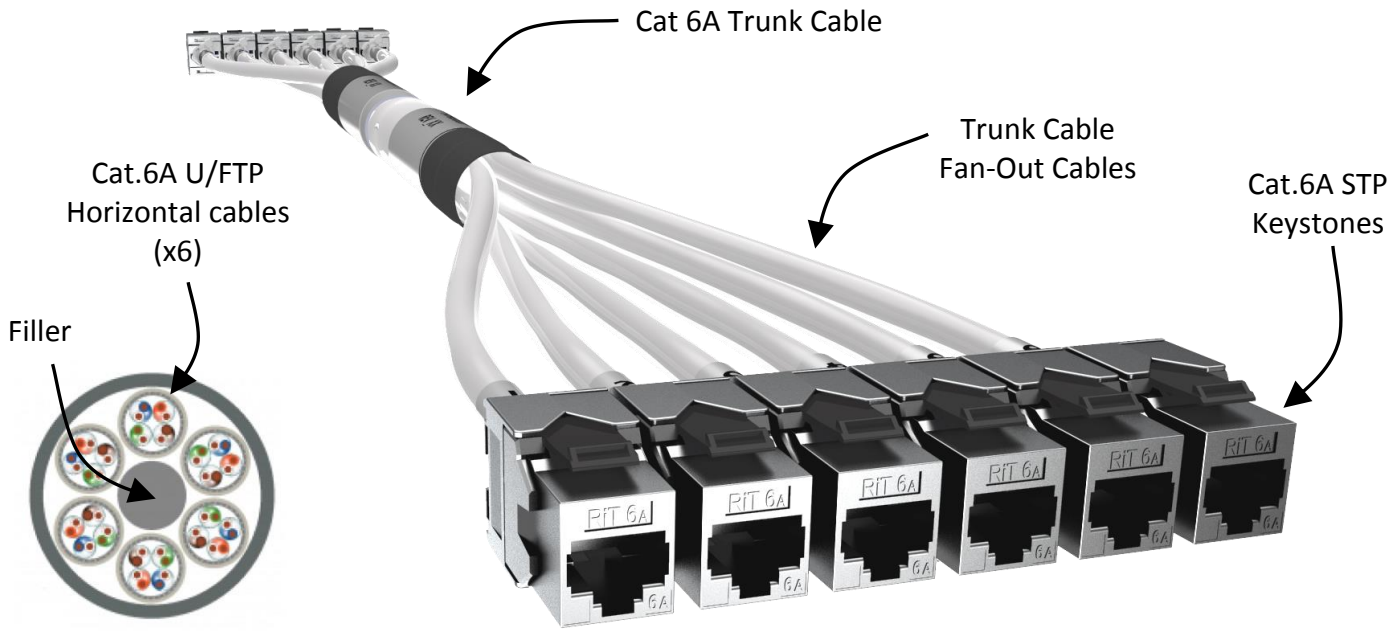
Description



TRUNK CABLE
SECTION VIEW

Trunk Cable Assembly
Isometric Front View

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

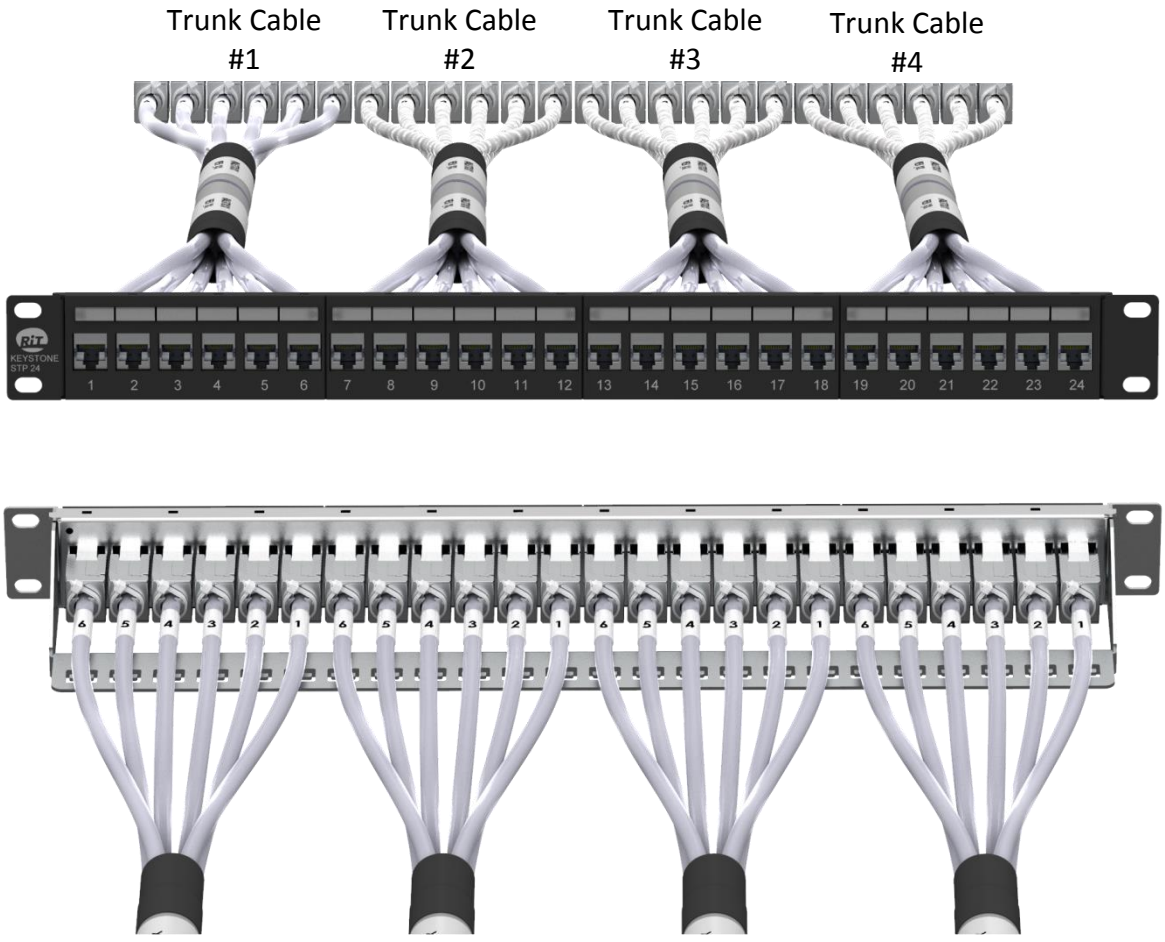
Suitable for applications demanding high data rates up to 10 Gbit/s such as Data-Centers/SANs, Indoor/Outdoor use, fixed installations, Indoor Backbone, High bandwidth digital applications with low BER.

Features

- Six fully shielded SMARTen (Cat.6A) STP Keystones at each end of the trunk cable assembly
- Six Cat.6A U/FTP 23 AWG Horizontal cables bundled together with filler elements and overall jacketed with FR-LSZH compound numbered jacket.
- Each cable contains 4 aluminum-foil shielded twisted pairs and jacketed with FR-LSZH compound.
- The cables flammability complies with IEC 60332-1
- Cable assembly comply with Permanent Link specifications per TIA-568.-C.2
- Suitable for high-density installation, 48 ports in 1U
- 100% factory tested
- RoHS-2 compliant

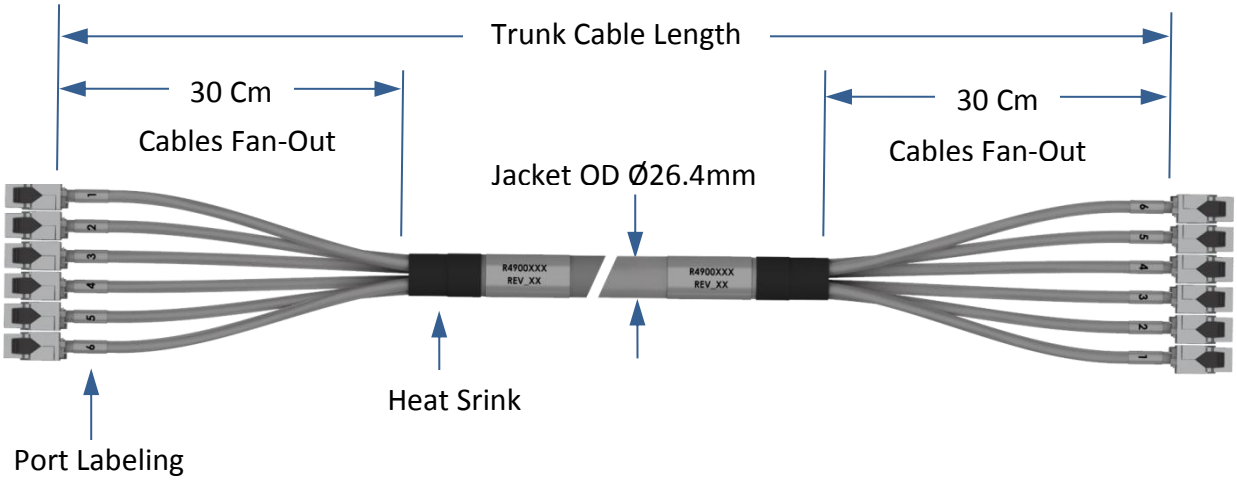
Features

Trunk Cable Assemblies are compatible with RiT keystone patch panels:



Front & Rear view of Copper Frame patch panel with 4 Trunk Cables assemblies

Technical Drawing



Specifications

Outer Jacket Diameter:	Ø26.4mm nom.
Outer Jacket Material:	FR-LSZH
Frequency Range:	1 - 500 MHz
Impedance:	100 Ω
Conductors	23 AWG, Solid, Annealed Bare Copper
Conductor Insulation	O.D: Ø1.35 mm nom, Material : PO
Color Code	Per TIA/EIA 568-B, Color identification: Solid/Stripe
Twisted Pair Shield	Aluminum/Polyester Foil, Aluminum face outwards, 100%
Outer Jacket Color	Light Gray
Drain-wire	Ø0.41 mm , Solid, Annealed Tinned Copper
Flammability Rating	IEC 60332-1
Coupling Attenuation:	Type II
Max. DC Resistance :	73 Ω/km@20°C
Max. Resistance Unbalance:	2 %
Capacitance Unbalance:	1.2 pF/m max.
Velocity of Propagation:	78 % nom.
Propagation Delay Skew:	30 ns/100m max.
Dielectric Strength:	700 V/minute
Dielectric Strength to Shield:	700 V/minute
Min. Insulation Resistance :	5 GΩ •km
Min. Bend Radius:	400mm for the Trunk Cable & 60mm for the Fan-Out cables
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C for the cable & -10 °C for the Keystone Jacks
Weight	0.49 Kg/Meter
Cable applicable standards	IEC 61156, IEEE 802.3an 10GBASE-T 10 Gigabit Ethernet, ISO/IEC 11801, RoHS-2 2011/65/EU, 2015/863/EU

Ordering Information

Part Number	Description
R4588XXX	Install & Go SMARTen Trunk Cable Assembly, STP, LSZH, XXXm

Note: 3 last positions XXX are for the cord length.
For example: R4588050 for 5 meters, R4588300 for 30 meters

Note: Install & Go Trunk Cable Assemblies are without cassette.

Trunk Cable Assemblies are compatible with the following RiT keystone patch panels:

Part Number	Description	Max. Capacity
R3735082	Keystone Copper Frame, STP, 24P, 1U	4 trunk cable assemblies
R2801623	Angled Copper Frame, STP, 24P, 1U, Label Cover	4 trunk cable assemblies
R2801624	Angled Copper Frame, STP, 24P, 1U	4 trunk cable assemblies
R2801611	Copper Frame, UTP/STP, HD, 48P, 1U	8 trunk cable assemblies
R6011000	PatchView+ Copper 24 Frame	4 trunk cable assemblies