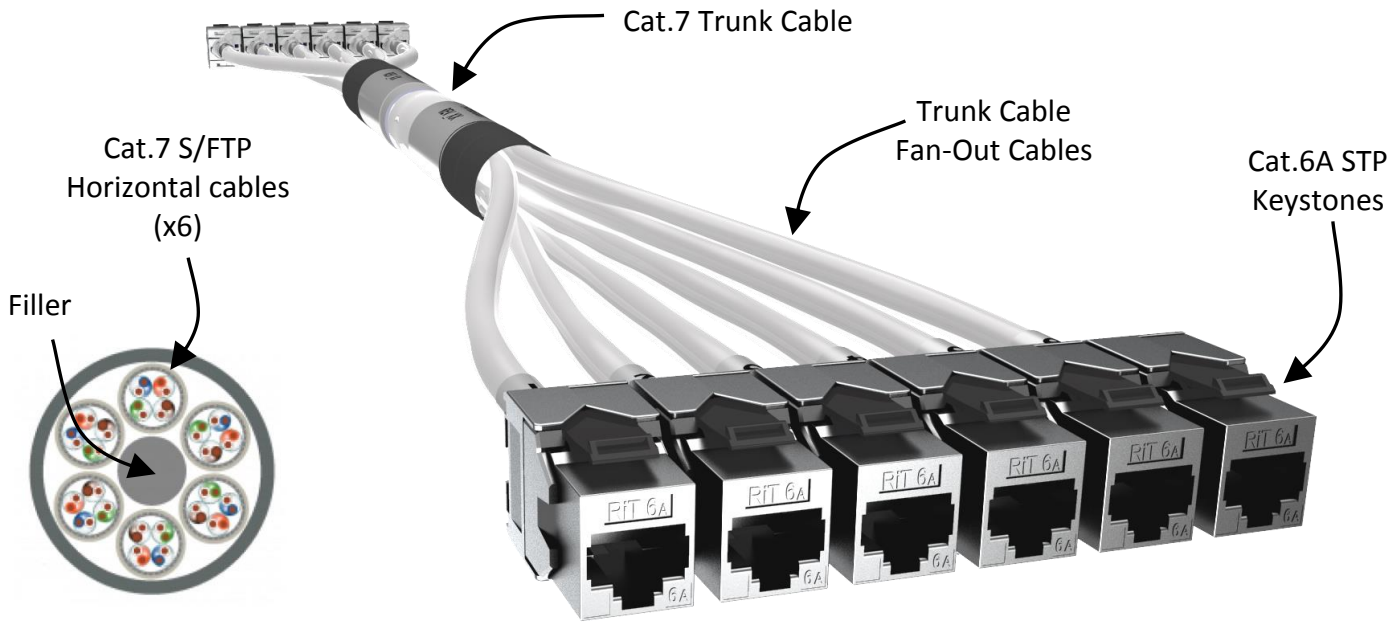
General



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 use, fixed installations, Indoor Backbone, High bandwidth digital applications with low BER.

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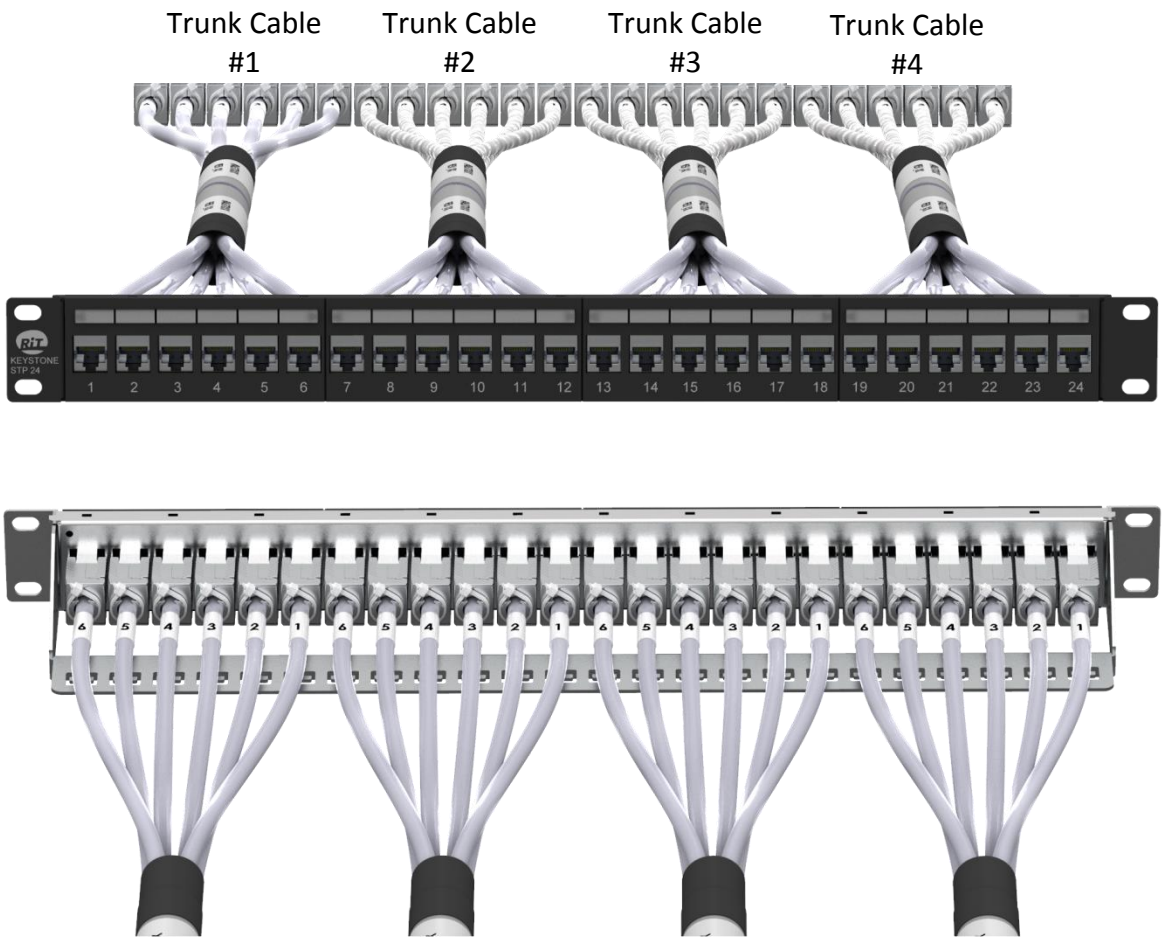
Features

- Six fully shielded SMARTen (Cat.6A) STP Keystones at each end of the trunk cable assembly
- 6 Cat. 7 jacketed cables are cabled together around a filler member, overall wrapped with a PET tape, and overall jacketed.
- Each cable contains 4 aluminum-foil shielded twisted pairs overall braded and jacketed with FR-LSZH compound.
- Suitable for high-density installation, 48 ports in 1U
- Optimized for PoE++ IEEE802.3bt
- 100% factory tested
- RoHS-3 compliant

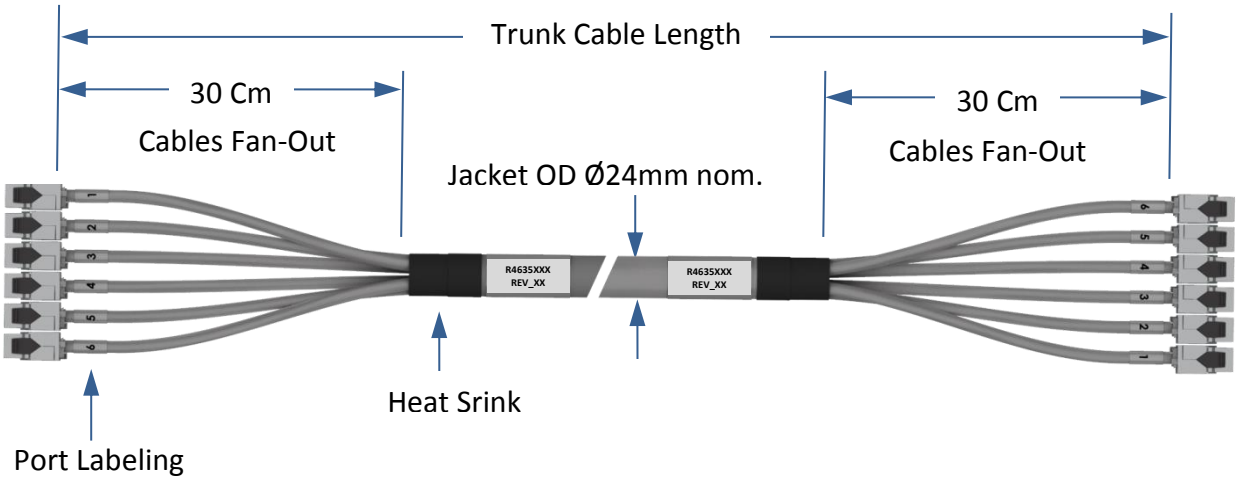
Features

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



Cable Specifications

Outer Jacket Diameter:	Ø24mm nom.
Inner Jacket Diameter:	Ø7.6mm nom.
Conductors	23 AWG, Solid, Annealed Bare Copper
Conductor Insulation	O.D: Ø1.38 mm nom, Material : Cellular PO
Color Code	Per TIA/EIA 568-B
Twisted Pair Shield	Aluminum/Polyester Foil, Helically applied aluminum foil, 100% coverage
Overall Shield	Braid, Material: Tinned-copper, Coverage : 40% nom.
Outer Jacket Color	Light Gray
Drain-wire	Ø0.41 mm , Solid, Annealed Tinned Copper
Outer Jacket Material	FR-LSZH
Frequency Range:	1 - 1000 MHz
Impedance:	100 Ω
Flammability Rating	IEC 60332-1
Coupling Attenuation:	Type I
Transfer Impedance	Grade 1
Max. Resistance Unbalance	2 %
Capacitance Unbalance	1.2 pF/m max.
Velocity of Propagation	78 % nom.
Propagation Delay Skew	20 ns/100m max.
Dielectric Strength	700 V/minute
Dielectric Strength to Shield	700 V/minute
Min. Insulation Resistance	5 GΩ •km
Min. Bend Radius	270 mm for the Trunk Cable & 60 mm for the Fan-Out cables
Max. Operating Temperature	+60 °C
Min. Operating Temperature	-30 °C for the cable & -10 °C for the Keystone Jacks
Weight	0.535 Kg/Meter
Cable applicable standards	IEC 61156-5 Ed. 2, ISO/IEC 11801-1, RoHS-3 2015/863/EU

Ordering Information

Part Number	Description
R4635030	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 3.0m
R4635050	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 5.0m
R4635100	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 10.0m
R4635150	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 15.0m
R4635200	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 20.0m
R4635300	Install & Go Cat.7 Trunk Cable Assembly, S/FTP, LSZH, 30.0m

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