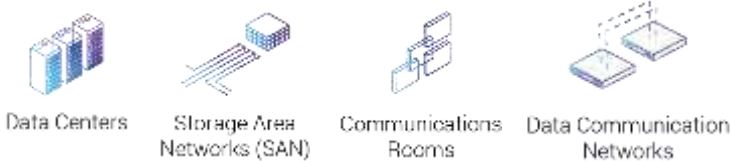


## Cat.8 Bundle and Channel Test Kit

Designed for best permanent link performance – Fibernet's pre-terminated copper bundle combines shielded Cat.8A connecting hardware approved keystone jacks – factory installed with S/FTP Cat.8 multi-cable.

User & environment safety assured with RoHS compliance.



### FEATURES

- Integrated multi-cable harness for internal/external armored cable includes a durable plastic veneer solar radiation, a layer of corrugated steel armor, insulating materials, plastic housings type halogen gas-free, flame retardant.
- Internal Cat.8A FR-LSZH jacketed cables, cabled together around a filler member, overall wrapped with a PET tape, and overall jacketed with an FR-LSZH compound.
- Compliance with IEC 61156-5, ISO/IEC 11801, RoHS 2002/95/EC, IEC 60332-1, IEC 60332-3-24, and CPR CLASS CCA S1.D1.A1 standards.
- Compliance with IEC 61156-9, IEC 61156, IEEE 802.3at (PoE+), IEEE 802.3af (PoE), IEEE 802.3bt (4PPoE), ISO/IEC 11801-1, RoHS-2 2015/863/EU, RoHS-2 2011/65/EU, Keystone jackets Suitable for PoE Plus applications in compliance with IEEE 802.3af (2003).
- RoHS Compliant.
- UL Verified.

### STANDARDS

Compliant with the following standards:

- Lab certification – "EC verified" by GHMT labs according to all of the following standards:
- ISO/IEC 11801:2011 (Ed. 2.2)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI:TIA-568-C.2 40Gbps
- IEC 61935-2:2010 (Ed. 3.0) (Transmission Requirements)
- RoHS Compliant
- IEC 60332-3
- UL Verified

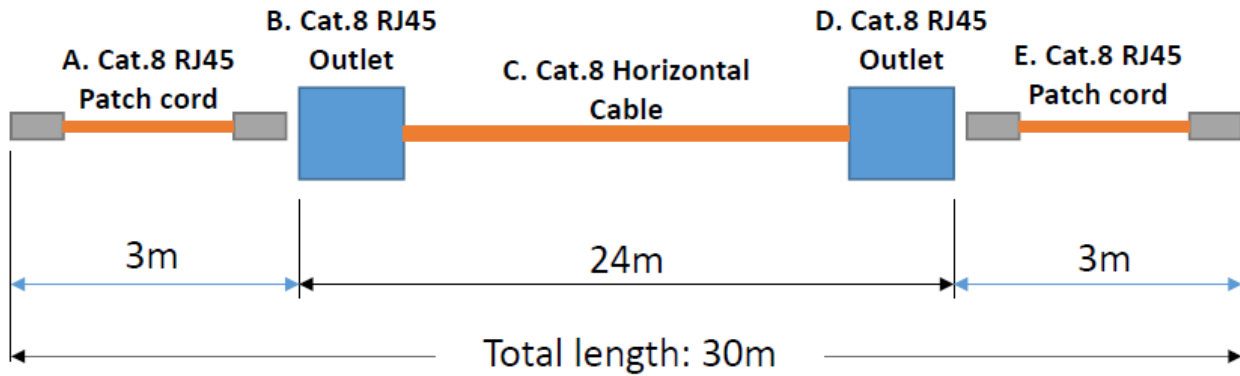
## SPECIFICATIONS

PARAMETER	VALUE
Cable Outer Diameter	22 mm nom.
Cable Weight	700 kg/km
Conductor Size	22 AWG
Insulation O.D	1.7 mm nom.
Conductor Construction	Solid
Ind. Shield Material	Aluminum/Polyester Foil
Ind. Shield Design	100% Coverage
up-Conductor unit lay	Pairs
Inner Jacket Material	FR-LSZH
Inner Jacket Diameter nom	8.6 mm nom
Frequency Range	1 - 2000MHz
Impedance	100 $\Omega$
Max. DC Resistance	73 $\Omega$ /km@20°C
Capacitance Unbalance	1.2 pF/m max.
Velocity of Propagation	73% nom.
Propagation Delay Skew	30 ns/100m max.
Dielectric Strength	700 V/minute
Dielectric Strength to Shield	700 V/minute
Min. Insulation Resistance	5 G $\Omega$ /km
Min. Bend Radius	350 mm
Operating Temperature	-40°C ~ +60°C

## Cat.8 Channel Test Kit

The Cat.8 test kit complied with the standard cat.8 channel test and includes:

- Up to **24 meters** of Cat.8 S/FTP 22AWG solid wires cable for 25/40Gbps or **90 meters** for 10Gbps
- Two Cat.8 Fully shielded keystone jack, tool-less type
- The total length of the channel should not exceed **30 meters** for 25/40Gbps and **100meters** for 10Gbps



**Example for 25/40Gbps Channel Test**

## **BUILD YOUR ORDER**

FC8-6XC8-\_\_M- Pre terminated cat.8 bundle (\_\_= Cable Length in Meters)

FC8-CH-KIT- Example for P/N that includes:  
1 meter cable, 2 Cat.8 keystones and 2 cords.

FC8-CH-KIT-2- Example for P/N that includes:  
1 meter cable, 4 Cat.8 keystones and 4 cords.