

# Multicore Hybrid Cable ITBB TWO

## Application

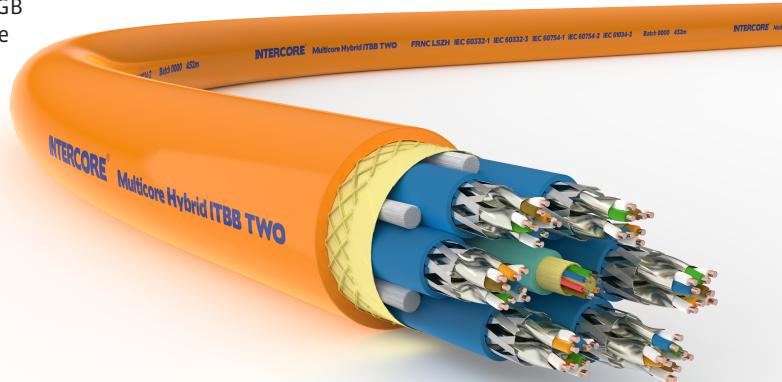
High-performance Multicore Hybrid Cable for IT backbone installations in discerning marine, residential and commercial projects where highest quality long-run signal distribution is required. The ITBB ONE offers an unmatched variety of different signal type options enabling a true future-proof cabling.

## Possible Services

- Ethernet 10 BaseT / 100 BaseT
- Gigabit Ethernet 1000 BaseT
- 10 Gigabit Ethernet 10 GBaseT
- DSL, ADSL, VDSL
- VoIP, ISDN, Analog Telephony
- Crestron® Cresnet®
- RS-232
- Crestron® DigitalMedia 3.0™
- IPTV and Video-on-Demand
- HDBaseT®
- CobraNet®, Dante™

## with Signal Extender

- HDMI® 2.0a (3D, 4K UHD), 8K ready
- DVI Single Link, DVI Dual Link
- DisplayPort™
- VGA / RGB
- FireWire
- PS/2
- USB



## Properties

### Cat.8 Cable (6x):

- CORNING FutureCom™ S/FTP 1200/22
- Specified up to 1.200 MHz (exceed Cat.7 specs acc. to EN 50288-4-1 and IEC 61156-7)
  - Low smoke, Halogen free (LSZH) acc. IEC 61034-1, IEC 60754-1
  - Flame retardant, non corrosive (FRNC) acc. IEC 60332-3-24, IEC 60754-2
  - 7.7 mm diameter

### Fiber Cable (1x):

- CORNING LANscape® FutureLink™ Multifiber Cable (i-mini-breakout) with 8 fibers:
- 6x Multimode 50/125 µm OM4 Premium® 300 ClearCurve® laser optimized OM4 fiber (blue, orange, green, brown, slate, white)
  - 2x Singlemode 9/125 µm Full-Spectrum SMF-28e XB laser optimized OS2 fiber (red, black)
  - Low smoke, Halogen free (LSZH) acc. IEC 61034-1, IEC 60754-1
  - Flame retardant, non corrosive (FRNC) acc. IEC 60332-3-24, IEC 60754-2
  - 5.5 mm diameter

## Conformity with Safety Standards (overall)

The Multicore Hybrid Cable ITBB ONE is flame retardant, non-corrosive (FRNC) as well as low smoke, zero halogen (LSZH) and complies with the most stringent safety standards like IEC 60332-3-22 Cat.A (Vertical Flame Test).

Flame retardant  
acc.

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acc.

Halogen-free  
acc.

Non-corrosive  
acc.

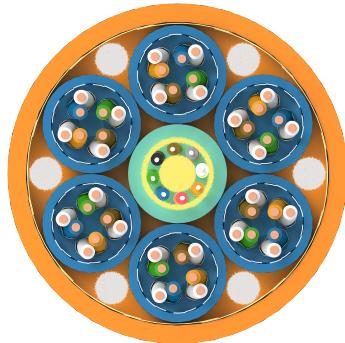
Low smoke  
acc.

**IEC 60332-3-22    IEC 60332-1    IEC 60754-1    IEC 60754-2    IEC 61034-2**

## Construction, Physical Characteristics (overall)

Layer:	Center: Multicore Fiber Optic Cable (6x Multimode, 2x Singlemode) Layer 1: 6x Cat.8 Cable, 5x Glass-Fiber fillers Layer 2: Non-conductive flame retardant tape, LOI 33 Layer 3: Tensile reinforcement KEVLAR® braid, 24x1x1670dtex bright orange
Jacket color:	
Dimension:	Diameter 27.5 mm ± 0.5 mm

Marking:  
INTERCORE® Multicore Hybrid ITBB ONE FRNC LSZH  
IEC 60332-3-22 IEC 60332-1 IEC 60754-1 IEC 60754-2 IEC 61034-2  
<BATCH> <METERMARKER>



Please note that due to a constructional twisting inside, all Cat and Coax cables are approx. 2 % longer than the overall lenght of the Multicore Hybrid cable.

## Mechanical Characteristics (overall)

Bending radius:	> 275 mm
Tensile strength:	≤ 1.500 N (installation, short term)
Temperature:	0°C to +50°C (installation) and -20°C to +60°C (storage, operation)
Weight in air:	800 kg/km ± 5 %

## Quality Statement

This Multicore Hybrid Cable is developed in Germany and it is assembled in Germany according to quality certification DIN EN ISO 9001:2008

A Final Cable Quality Certification Service is available for this Multicore Hybrid Cable. For more information please send us an email at [service@intercorecable.com](mailto:service@intercorecable.com) or visit our website at [www.intercorecable.com](http://www.intercorecable.com)

## Ordering Information

Description	Ordering number	Color code	Unit and Packaging
Multicore Hybrid ITBB ONE	197.397-480	bright orange	480 m one-way reel (± 2 %)
Multicore Hybrid ITBB ONE	197.397-100	bright orange	100 m one-way reel (± 2 %)

Each reel is labeled with the following data: INTERCORE logo, INTERCORE ordering number, item description, lenght on the reel, batch number and date of manufacturing.

For more information about availability, recommended cutting tools, our sample service or a list of our global sales office locations please send us an email at [sales@intercorecable.com](mailto:sales@intercorecable.com) or visit our website at [www.intercorecable.com](http://www.intercorecable.com)

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