

Multicore Hybrid Cable ITBB ONE

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 8G+™
- IPTV and Video-on-Demand
- HDBaseT®
- CobraNet®, Dante™

with Signal Extender

- HDMI® 1.4a (3D, 4K) up to 1080p-60
- DVI Single Link, DVI Dual Link
- DisplayPort™
- VGA / RGB
- FireWire
- PS/2
- USB



Properties

- Cat.8 Cable (5x): 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 OM3 Pretrium® 300 ClearCurve® laser optimized OM3 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.

Flame retardant
acc.

Halogen-free
acc.

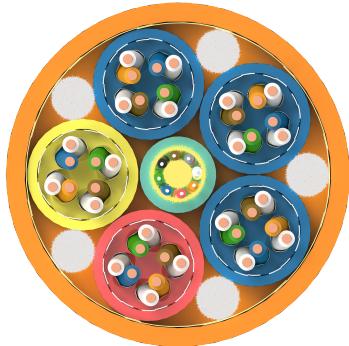
Non-corrosive
acc.

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: 5x Cat.8 Cable, 5x Glass-Fiber fillers
 Layer 2: Non-conductive flame retardant tape, LOI 33
 Layer 3: Tensile reinforcement KEVLAR® braid, 24x1x1670dtex
 Jacket color: bright orange
 Dimension: Diameter 26.5 mm ± 0.4 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: > 200 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: 650 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 or visit our website at 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 or visit our website at www.intercorecable.com

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