

HYB-0-6-01x04+3x2.5MM--HBH-D BK

HYBRID & COMPOSITE CABLES

P/N FH0040139B

INDUSTRY

Applications

Maritime Environment, Power and Signal Applications, Control applications, Outdoor or direct burial



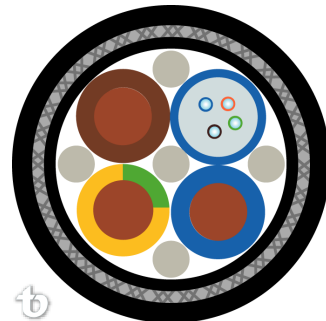
Outer Jacket Material
PU-HFFR



Outer diameter
15.5 mm nom.



Weight
390 kg/km



General Construction

The cable contains:

3 - 2.5 mm² insulated single wires.

1 - loose tube with 4 MM 62.5/125µm color-coded optical fibers

All elements are cabled together with filling elements and jacketed. A steel braid armor followed by an outer jacket completes the cable structure.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Cross Section (mm ²)	2.5
Conductor Size (mm)	1.78
Conductor Construction	Solid
Insulation Material	HFFR
Insulation O.D. (mm nom)	3.0
Buffer Material	PBT
Tube Diameter (mm nom)	3.1
Color Code	Per TIA/EIA 598-D
Conductor Color Code	Brown, Blue, Yellow/Green
Binder	Polyester
Inner Jacket Material	PU-HFFR
Inner Jacket Thickness (mm nom)	1.5
Inner Jacket Diameter (mm nom)	10.5
Inner Jacket Color	Black
Armoring	Braided Galvanized Steel
Fiber Containing Tubes	1

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Total Number Of Elements	1
Number Of Fibers	4
Total Number Of Conductors	3
Rip-Cord	Yes
Outer Jacket	Yes
Outer Jacket Thickness (mm nom)	2.0
Outer Jacket Color	Black
Marking	Per request

Performance

Max. DC Resistance ($\Omega/\text{km}@20^{\circ}\text{C}$)	8.2
Dielectric Strength (V/minute)	2000
Min. Insulation Resistance ($\text{M}\Omega\cdot\text{km}$)	500
Voltage Rating (V)	300
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	20xD
Min. Installation Temperature ($^{\circ}\text{C}$)	-10
Max. Installation Temperature ($^{\circ}\text{C}$)	+50
Min. Operating Temperature ($^{\circ}\text{C}$)	-20
Max. Operating Temperature ($^{\circ}\text{C}$)	+70
Min. Storage Temperature ($^{\circ}\text{C}$)	-40
Max. Storage Temperature ($^{\circ}\text{C}$)	+80
UV Resistance	Yes
Rodent Resistance	Yes

Standards

Flammability Rating
IEC 60332-1

Applicable Standards
RoHS 3 2015/863/EU



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