

# HYB-9-01X04 + 3C2.5mm<sup>2</sup> + 2C0.75mm<sup>2</sup> -HBH FI BK

## HYBRID & COMPOSITE CABLES

### P/N FH00401H1B

#### INDUSTRY

### Applications

Control and audio applications, Power and Signal Applications, Harsh environments, Indoor applications, Outdoor or direct burial



Outer Jacket Material  
FR-LSZH



Outer diameter  
16.0 mm nom.



Weight  
405 kg/km



### General Construction

The cable contains:

One - fiber optic tube containing 4 single mode fibers

Three - 2.5 mm<sup>2</sup> insulated conductors

Two - 0.75 mm<sup>2</sup> insulated conductors

All components are cabled together, inner jacketed, steel braid armored and outer jacketed.

### Design & Materials

Buffer Material	PBT
Tube Diameter (mm nom)	2.5
Sub-unit/Mini cable Diameter (mm nom)	3.1(Tube over Mica)
Sub Unit Construction	<p>0.75 mm<sup>2</sup> Wires:</p> <p>Conductor: Stranded tinned copper, 7x0.37 mm nom.</p> <p>Insulation: XLPE + MICA tape, O.D. - 2.6 mm nom.</p> <p>Color Code: Black, White</p> <p>Max DC Resistance: 26.0 Ω/km@20°C</p> <p>2.5 mm<sup>2</sup> Wires:</p> <p>Conductor: Stranded tinned copper, 7x0.68 mm nom.</p> <p>Insulation: XLPE + MICA tape, O.D. - 3.7 mm nom.</p> <p>Color Code: Blue, Brown, Yellow/Green</p> <p>Max DC Resistance: 7.5 Ω/km@20°C</p> <p>Fiber Optic Tube:</p> <p>The tube contains 4 SM G652D color-coded optical fibers and filled with thixotropic gel to prevent the ingress of water.</p> <p>Tube Material: PBT + Mica tape, O.D. 3.1 mm nom.</p> <p>Color: Orange</p>
Binder	Polyester
Inner Jacket Material	FR-LSZH
Inner Jacket Diameter (mm nom)	12.5
Inner Jacket Color	Black

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Armoring	Braided Galvanized Steel
Total Number Of Elements	6
Number Of Fibers	4
Total Number Of Conductors	5
Outer Jacket Color	Black
Marking	Teldor Standard Per request

### Performance

Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	300
Min. Bend Radius (mm)	12xD
Min. Storage Temperature (°C)	-30
Max. Storage Temperature (°C)	+80
UV Resistance	Yes
Fire Resistance	Yes
Rodent Resistance	Yes

### Standards

Flammability Rating  
IEC 60331  
IEC 60332-1

Applicable Standards  
IEC 60227  
IEC 60228  
RoHS 3 2015/863/EU



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