

## MTA-4-02HT-E-KHRH-DD BK

**Part Number:** **F40020243B**

**Applications:** Direct Burial Campus Backbone, General purpose armored Indoor/Outdoor, General purpose indoor/outdoor LAN, Rugged environments

**General Construction:** The cable consists of 2 color coded MM OM3 optical fibers each with a 0.9 mm tight buffer . These buffers are reinforced by aramid strength yarns and encased within an inner jacket. Water blocking materials are applied inside. The inner cable is wrapped with a waterblocking tape, armored and outer jacketed.

**Outer Jacket Material:** FR-LSZH

**Outer Diameter:** 9.5 mm nom.

**Weight:** 136 kg/km



## Design & Materials

|                               |                         |
|-------------------------------|-------------------------|
| <b>Buffer Material:</b>       | FR-LSZH                 |
| <b>Buffer Diameter:</b>       | 900 µm                  |
| <b>Strength Elements:</b>     | Aramid Yarns            |
| <b>Inner Jacket Material:</b> | HFFR                    |
| <b>Aarmor:</b>                | Yes                     |
| <b>Armoring:</b>              | Corrugated Steel - ECCS |
| <b>Number of fibers:</b>      | 2                       |
| <b>Rip-Cord:</b>              | Yes                     |
| <b>Outer Jacket Color:</b>    | Black                   |
| <b>Marking:</b>               | Per request             |

## Standards

|                              |                                |
|------------------------------|--------------------------------|
| <b>Applicable Standards:</b> | IEC 60794                      |
| <b>Flammability Rating:</b>  | IEC 60332-1                    |
| <b>Installation:</b>         | Guidelines as per IEC TR 62691 |

## Performance

|   |             |
|---|-------------|
| <b>Max. Installation Tensile Load :</b>   | 1500 N max. |
| <b>Max. Residual Tension (MRS) :</b>      | 900 N max.  |
| <b>Impact Resistance:</b>                 | 10 N*m      |
| <b>Impact Resistance:</b>                 | 3 cycles    |
| <b>Max. Crush Resistance:</b>             | 440 N/cm    |
| <b>Min. Bend Radius for Installation:</b> | 20xD mm     |
| <b>Min. Bend Radius for Operation:</b>    | 20xD mm     |
| <b>Max. Operating Temperature:</b>        | +75 °C      |
| <b>Min. Operating Temperature:</b>        | -40 °C      |
| <b>Max. Storage Temperature:</b>          | +75 °C      |
| <b>Min. Storage Temperature:</b>          | -40 °C      |
| <b>UV Resistance:</b>                     | Yes         |
| <b>Waterblocking:</b>                     | Yes         |

| Prepared By   | Revised By   | Version Num | Modified on |
|---------------|--------------|-------------|-------------|
| Olga Kirshner | David Miller | 1.3         | 09-11-2015  |

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