

LDB-6-01X06-D-ZHRP-GX BK FIBEROPTICS P/N F60060101B

TELECOM

Applications

Blown Installation, Direct Burial Campus Backbone, General purpose armored Outdoor, Long Distance OSP, Outdoor Plant Duct Installation



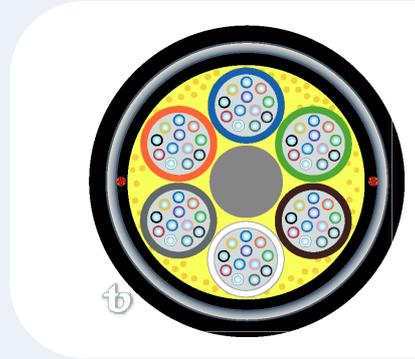
Outer Jacket Material
HDPE



Outer diameter
13.5 mm nom.



Weight
200 kg/km



General Construction

The cable contains 6 MM 62.5/125 μm color-coded optical fibers contained in one color-coded loose tube. This tube is filled with a thixotropic gel to prevent the ingress of water and SZ stranded with 5 fillers around a dielectric central strength member. An HFFR inner jacket is extruded over the fiber-glass strength yarns which reinforce the cable core. A corrugated steel armor is longitudinally applied over the inner jacket. The outer jacket is extruded over the armoring completes the cable structure.

Design & Materials

| | |
|------------------------------------|-------------------------|
| Buffer Material | PBT |
| Tube Diameter (mm nom) | 2.1 |
| Color Code | Per TIA/EIA 598-D |
| Central Strength Member (O.D. nom) | FRP |
| Cabling | SZ |
| Strength Elements | E-Glass Yarns |
| Inner Jacket Material | HFFR |
| Armor | Yes |
| Armoring | Corrugated Steel - ECCS |
| Armor Thickness (μm) | 150 |
| Fiber Containing Tubes | 1 |
| Total Number Of Elements | 6 |
| Number Of Fibers | 6 |
| Waterblocking | Gel between tubes |
| Total Number Of | 8 |
| Outer Jacket Color | Black |
| Marking | Per request |

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Performance

| | |
|---|------|
| Max. Installation Tensile Load (N max.) | 2700 |
| Max. fiber strain at MIT (%) | 0.6 |
| Max. Residual Tension (MRS) (N max) | 1600 |
| Impact Resistance (N*m) | 4.4 |
| Impact Resistance (cycles) | 3 |
| Max. Crush Resistance (N/cm) | 400 |
| Min. Bend Radius for Installation (mm) | 20xD |
| Min. Bend Radius for Operation (mm) | 20xD |
| Repeated Bending (cycles) | 25 |
| Min. Operating Temperature (°C) | -40 |
| Max. Operating Temperature (°C) | +70 |
| Min. Storage Temperature (°C) | -40 |
| Max. Storage Temperature (°C) | +70 |
| UV Resistance | Yes |

Standards

Applicable Standards
IEC 60794
ISO/IEC 11801-1
TIA/EIA-568



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