

## DRC-9-02X12-D-ZRP-D BK \*01

**Part Number:** F902402G5B

**Applications:** Blown Installation, CATV and DataCom, Direct Burial Campus Backbone, General purpose armored Outdoor, Long Distance OSP, Outdoor Plant Duct Installation, Rugged environments

**General Construction:** This gel free cable contains 24 SM G652D color-coded optical fibers in 2 color-coded loose tubes. These tubes are includes swellable yarn to prevent the ingress of water and are SZ stranded around a dielectric central strength member. Fillers are used as needed to preserve cable geometry. Corrugated steel armor is longitudinally applied over the swellable fiber-glass strength yarns which reinforce the cable core. An outer jacket is extruded over the armoring.



**Outer Jacket Material:** PE  
**Outer Diameter:** 12 mm nom.  
**Weight:** 145 kg/km

### Design & Materials

<b>Buffer Material:</b>	Polypropylene
<b>Tube Diameter:</b>	2.5 mm nom.
<b>Conductor Color Code:</b>	<a href="#">Fiber Color Code:</a>
<b>Central Strength Member:</b>	FRP
<b>Cabling:</b>	SZ
<b>Strength Elements:</b>	E-Glass Yarns
<b>Armor:</b>	Yes
<b>Armoring:</b>	Corrugated Steel
<b>Armor Thickness (um):</b>	150 µm
<b>Fiber Containing Tubes:</b>	2
<b>Total Number of Tubes:</b>	5
<b>Number of fibers:</b>	24
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>2 Rip Cords Position Oposite Diametrically:</b>	Yes
<b>Outer Jacket Color:</b>	Black
<b>Marking:</b>	Per request

### Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, ASTM G154, RoHS 3 2015/863/EU
<b>Installation:</b>	Guidelines as per IEC TR 62691

## Performance

<b>Max. Installation Tensile Load :</b>	2700 N max.
<b>Max. fiber strain at MIT:</b>	0.6 %
<b>Max. Residual Tension (MRS) :</b>	810 N max.
<b>Max. Fiber Strain at MRS.:</b>	0.2 %
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<b>Max. Crush Resistance:</b>	500 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	20xD mm
<b>Repeated Bending:</b>	25 cycles
<b>Torsion (L=125 x d):</b>	10 cycles
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-40 °C
<b>Max. Installation Temperature:</b>	+45 °C
<b>Min. Installation Temperature:</b>	-20 °C
<b>Max. Storage Temperature:</b>	+70 °C
<b>Min. Storage Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes
<b>Waterblocking:</b>	Yes

### Fiber Properties:

---

Prepared By	Revised By	Version Num	Modified on
Olga Kirshner	David Miller	1.9	04-02-2020

Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

---

**Teldor Cables & Systems Ltd.** - Ein-Dor, 1933500

ISRAEL

Tel: +972 4 6770555

Fax: +972 4 6770650