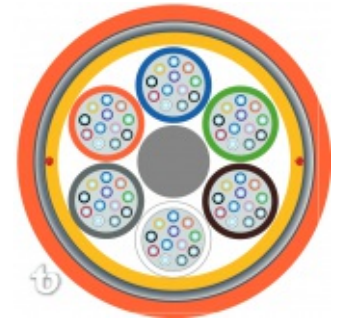


## DRC-9-04X12-D-ZRP-D BK

**Part Number:** **F9048044GB**

**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 48 SM G652D color-coded optical fibers in 4 color-coded loose tubes. The tubes include swellable yarns to prevent the ingress of water and are SZ stranded around a dielectric central strength member. 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:** HDPE  
**Outer Diameter:** 12.5 mm nom.  
**Weight:** 136 kg/km

### Design & Materials

<b>Buffer Material:</b>	Polypropylene
<b>Tube Diameter:</b>	2.5 mm nom.
<b>Color Code:</b>	Per TIA/EIA 598-C
<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>	4
<b>Total Number of Tubes:</b>	6
<b>Number of fibers:</b>	48
<b>Waterblocking:</b>	Dry Waterblocking, Waterblocking Tape
<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, IEC 60794-1-21/22, ISO/IEC 11801-1, TIA/EIA-568
<b>Installation:</b>	Guidelines as per IEC TR 62691

## Performance

<b>Tensile Strength - Short Term:</b>	2700 N max.
<b>Tensile Strength - Long Term:</b>	1600 N max.
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<b>Max. Crush Resistance:</b>	400 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

Prepared By	Revised By	Version Num	Modified on
Amos Amsalem	David Miller	1.8	03-07-2016

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