

## DRC-9-12x12-D-P-D BK

**Part Number:** F914412C1B

- Applications:** Blown Installation, CATV and DataCom, Long Distance OSP, Outdoor Plant Duct Installation
- General Construction:** This gel free cable contains 144 color-coded optical fibers in 12 color-coded loose tubes, each tube containing 12 fibers. The tubes include a 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. An outer jacket completes the cable structure.
- Outer Jacket Material:** PE
- Outer Diameter:** 15.5 mm nom.
- Weight:** 165 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>Fiber Containing Tubes:</b>	12
<b>Total Number of Tubes:</b>	12
<b>Number of fibers:</b>	144
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Thickness:</b>	1.5 mm nom.
<b>Outer Jacket Color:</b>	Black
<b>Marking:</b>	Teldor Standard

### 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>	400 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	10xD 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:

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Prepared By	Revised By	Version Num	Modified on
teldor.com	David Miller	1.9	04-02-2020

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