

DRC-9-12x12-D-RP-D BK

Part Number: F914412A4B

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 144 color-coded optical fibers in 12 color-coded loose tubes, each tube containing 12 fibers. The tubes include 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 cable core. An outer jacket is extruded over the armoring.



Outer Jacket Material: PE
Outer Diameter: 17.6 mm nom.
Weight: 268 kg/km

Design & Materials

Buffer Material:	Polypropylene
Tube Diameter:	2.5 mm nom.
Conductor Color Code:	Fiber Color Code:
Central Strength Member:	FRP
Cabling:	SZ
Armor:	Yes
Armoring:	Corrugated Steel
Armor Thickness (um):	150 µm
Fiber Containing Tubes:	12
Total Number of Tubes:	12
Number of fibers:	144
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
2 Rip Cords Position Oposite Diametrically:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

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

Performance

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

Fiber Properties:

Prepared By	Revised By	Version Num	Modified on
teldor com	David Miller	1.6	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