

# DRC-9-36X12-D-JH-D S YO FIBEROPTICS P/N F94323626Y

TELECOM

## Applications

CATV and DataCom, General purpose indoor/outdoor LAN, Long Distance OSP, Outdoor Plant Duct Installation



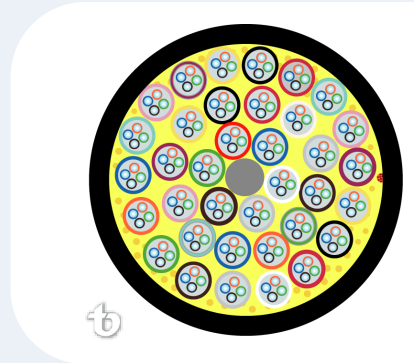
Outer Jacket Material  
FR-LSZH



Outer diameter  
22.5 mm nom.



Weight  
347 kg/km



## General Construction

This gel free cable contains 432 SM G652D color-coded optical fibers in 36 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. Fiber-glass strength yarns reinforce the cable core and serve as an armoring layer beneath an outer jacket which completes the cable structure.

Tubes color code:

I layer: blue, orange, green, brown, grey, white

II layer: red, black, yellow, purple, pink, turquoise, blue/black strip, orange/black strip, green/black strip, brown/black strip, grey/black strip, white/black strip

III layer: red/black strip, black/yellow strip, yellow/black strip, purple/black strip, pink/black strip, turquoise/black strip, blue/2 black strips, orange/2 black strips, green/2 black strips, brown/2 black strips, grey/2 black strips, white/black strips, red/2 black strips, black/2 yellow strips, yellow/2 black strips, purple/2 black strips, pink/2 black strips, turquoise/2 black strips

## Design & Materials

Fiber Type	Single-mode Single-mode G.652 SM-G652.D
Buffer Material	Polypropylene
Buffer Tube Diameter (mm nom)	2.5
Color Code	Per TIA/EIA 598-D
Number Of Fibers	432
Armoring	Glass Yarns
Waterblocking	Waterblocking Materials Waterblocking Tape
Rip-Cord	Yes
Outer Diameter (mm nom)	22.5
Outer Jacket Color	Yellow
Marking	Teldor Standard
Outer Jacket Material	FR-LSZH

### Performance

Max. Installation Tensile Load (N max.)	4000
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	1200
Max. Fiber Strain at MRS (%)	0.2
Impact Resistance (N*m)	10
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	300
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	10xD
Repeated Bending (cycles)	25
Torsion (L=125 x d) (cycles)	10
Min. Installation Temperature (°C)	-15
Max. Installation Temperature (°C)	+60
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+70
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
UV Resistance	Yes
Waterblocking	Yes
Rodent Resistance	Yes

### Standards

Flammability Rating  
EN 60754  
IEC 60332-1  
IEC 60332-1-2  
IEC 60754  
IEC 61034  
EN 50575:2014 E<sub>ca</sub> (CPR)

#### Applicable Standards

IEC 60793  
IEC 60794  
IEC 60794-1-21/22  
ISO/IEC 11801-1  
TIA/EIA-568  
ASTM G154  
RoHS 3 2015/863/EU



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