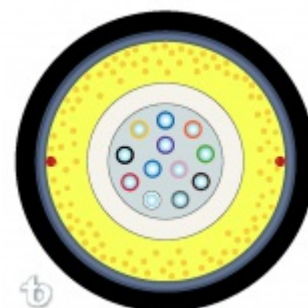


Part Number: **F902401N9B**

Applications: Campus Distribution cabling, Direct Burial Campus Backbone, General purpose armored Outdoor, Outdoor Plant Duct Installation, Rugged environments

General Construction: This gel free cable contains 24 SM G652D color-coded optical fibers, each with a 250um outer diameter. The optical fibers are contained in the loose tube including swellable yarns to prevent the ingress of water. Fiber-glass strength yarns reinforce the tube and serve as an armoring layer. A corrugated steel armor is longitudinally applied over the fiber-glass strength yarns. An outer Jacket extruded over the armoring completes the cable structure. Rip cords are added under the armor to facilitate removal.

Outer Jacket Material: FRNC-LSZH
Outer Diameter: 9.6 mm nom.
Weight: 125 kg/km



Design & Materials

Buffer Material:	Polypropylene FR
Tube Diameter:	3.1 mm nom.
Color Code:	Per TIA/EIA 598-C
Strength Elements:	E-Glass Yarns
Armor:	Yes
Armoring:	Corrugated Steel - ECCS
Armor Thickness (um):	150 µm
Number of fibers:	24
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, ASTM G154, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332-1, IEC 60332-3 , EN 50575:2014 D _{cas} 2d2a1 (CPR)
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	2700 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:	400 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